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Bachelor of Data Science

Year	2021
QUT code	DS01
CRICOS	103170C
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$6,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,200 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Chris Drovandi
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- · Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Your QUT Bachelor of Data Science degree consists of 288 credit points (24 units) arranged as follows:

(a) 192 credit points (16 units) of Core discipline units; and (b) 96 credit points of complementary studies comprising of two Minors (4 unit set each) chosen from:

- Computational and Simulation Science
- Data Mining and Artificial Intelligience
- Information Systems
- **Optimisation and Stochastic** Modelling
- Advanced Computing for Data Science

International Course structure

Your QUT Bachelor of Data Science degree consists of 288 credit points (24 units) arranged as follows:

(a) 192 credit points (16 units) of Core discipline units; and

(b) 96 credit points of complementary studies comprising of two Minors (4 unit set each) chosen from:

- · Computational and Simulation Science
- Data Mining and Artificial Intelligence
- Information Systems
- Optimisation and Stochastic Modelling
- Advanced Computing for Data Science

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2

Code	Title	
Year 1, S	emester 1	
IFB104	Building IT Systems	
IFB105	Database Management	
MXB101	Probability and Stochastic Modelling 1	
MXB100	Introductory Calculus and Algebra	
OR		
MXB105	Calculus and Differential Equations	
Year 1, S	emester 2	
CAB201	Programming Principles	
DSB100	Fundamentals of Data Science	
IAB206	Modern Data Management	
MXB107	Introduction to Statistical Modelling	
Year 2, S	emester 1	
MXB242	Regression and Design	
MXB262	Visualising Data	
CAB301	Algorithms and Complexity	
Minor Unit		
Year 2, S	emester 2	
CAB330	Data and Web Analytics	
OR		
IAB303	Data Analytics for Business Insight	
Minor Unit		
Minor Unit		
	It	
Minor Uni	it	
Minor Uni Year 3, S	it it emester 1	
Minor Uni Year 3, S CAB420	it it emester 1 Machine Learning	
Minor Uni Year 3, S CAB420 MXB344	it emester 1 Machine Learning Generalised Linear Models	



Bachelor of Data Science

Minor Unit

Year 3, Semester 2	
DSB300	Data Science Capstone Project
MXB362	Advanced Visualisation and Data Science
Minor Unit	
Minor Unit	

Bachelor of Information Technology

Year	2021
QUT code	IN01
CRICOS	012656E
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,200 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly

Domestic Entry requirements Domestic Assumed

knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Course Overview

This degree equips you to build and apply creative, innovative IT solutions across diverse industries. A hands-on, real world based curriculum gives you the opportunity to explore a wide range of areas within IT, and gain deep understanding within your chosen area specialty, such as networking, software development, data warehousing, business processes, information management, web technologies, or digital societies. You experience an innovative, hands-on approach to learning through projects where you develop IT systems. You will be able to gain entrepreneurial skills if you wish to learn how to develop an idea into a commercial opportunity. You learn to harness your creativity and people skills to maximise the impact of your technical know-how relative to the IT marketplace. It positions you for a challenging and rewarding career within the global economy.

Course Design

Requirements for the completion of IN01 Bachelor of Information Technology(Study Area A) are as follows:

(a) 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units

(c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set); or two Minors (4 unit set each); or one Minor (4 unit set) plus 4 elective units.

Majors

Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Options List

The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). You are able to undertake these options in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

Complementary Studies

Students may elect to undertake a Second Major (8 unit set), or two Minors (4 unit set each), or one Minor (4 unit set) plus 4 elective units.

Second Major:

A choice of one second major from:

- Technology Innovation and Design
- Computational and Simulation Science

Minors:

A choice of two minors from either Faculty or University Wide Options.

Professional Recognition

Professional recognition can be found in the individual majors of the Bachelor of Information Technology (IN01).

Pathways for Further Study

The QUT Bachelor of Information Technology is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in these disciplines with an additional honours year in (IN10) Bachelor of Information Technology (Honours).



Year	2021
QUT code	IN01
CRICOS	012656E
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,200 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly
Discipline Coordinator	Dr Wayne Kelly +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

Computer science is the scientific and practical approach to computer-based system design, development and operation. Its subfields range from the fundamental principles of computation through to tools and techniques for IT system development and evaluation. It includes identifying and solving systems design issues associated with achieving critical properties such as correctness, efficiency, robustness, usability and security. Its application extends into specialised areas including mobile computing, artificial intelligence, robotics, and large-scale information management involving information retrieval and web search engines.

Career Outcomes

Computer Science graduates will: •be experienced in the principles and practice of software development; • be familiar with the principles and operation of networked systems; and • have a sound understanding of the shared foundations underlying all modern computer-based technologies.

In addition, depending on their choice of optional study areas, they will have the opportunity to gain specific expertise in Information Security, Networks and Communications, Intelligent Systems, Data-Centric Computing, or Human-Computer Interaction.

Course Design

Your QUT Bachelor of Information Technology (Computer Science) degree consists of 288 credit points (24 units) arranged as follows:

a) 72 credit points (6 units) of Computer Science Core units, which includes 2 units from a selected options list.

b) 120 credit points (10 units) of Computer Science discipline units

c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set); or two Minors (4 unit set each); or one Minor (4 unit set) plus 4 elective units.

Computer Science Core Units

These units will engage you in understanding Computer Science from a practical approach with an understanding of a range of disciplinary and multidisciplinary perspectives. Later core units, together with the discipline specific units, will progress your learning development through experiential and enquiry based learning to apply this knowledge in practical systems development projects.

Computer Science Major Discipline Units

These units give you discipline level knowledge, skills and application competencies from introductory through intermediate, culminating with advanced graduate level units. They focus on



Bachelor of Information Technology (Computer Science)

developing your knowledge, practice and higher order thinking to an advanced level.

Complementary Studies Options

Second Major:

A choice of one second major from:

 Technology Innovation and Design Second Maior Computational and Simulation Science

Second Major

Minors:

A choice of two minors from the lists below:

 Business Process Management Minor Data-Centric Computing Extension Minor Information Systems Minor

- Enterprise Systems Minor
- •Human-Computer Interaction Minor
- Intelligent Systems Minor
- Mobile Applications Minor
- Networks and Security Minor
- Social Technology Minor
- ·Software Development for IS and Games Minor
- Technology Innovation Minor
- University Wide Minors

Professional membership

Graduates are eligible for membership of the ACS (Australian Computer Society)

Domestic Course structure

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option unit* selected from an approved list
- 120 credit points (10 units) of major core units
- · 96 credit points of complementary studies comprising of either a second major (8 unit set); or two minors (4 unit set each); or one minor (4 unit set) plus 4 elective units.

*Unit options list - comprises a range of units from which you choose to undertake two units. You are able to undertake the option unit in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

International Course structure

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option unit* selected from an approved list
- 120 credit points (10 units) of major core units
- 96 credit points of complementary studies comprising of either a second major (8 unit set); or two minors (4 unit set each); or one minor (4 unit set) plus 4 elective units.

*Unit options list - comprises a range of units from which you choose to undertake two units. You are able to undertake the option unit in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

Sample Structure

Semesters

- <u>Year 1, Semester 1</u>
 <u>SELECT MAJOR</u>
- Year 1, Semester 2 ٠ Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Note:

Code	Title	
Year 1, S	emester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
IFB105	Database Management	
IFB104	Building IT Systems	
SELECT	MAJOR	
Students to enrollin	should select their major prior g in their Core Option Units	
Year 1, S	emester 2	
CAB201	Programming Principles	
CAB202	Microprocessors and Digital Systems	
Core Unit Option		
Core Unit Option		
Year 2, S	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 2, Semester 2		
CAB303	Networks	
IFB295	IT Project Management	

2nd Major/Minor unit 2nd Major/Minor unit		
Year 3, Semester 1		
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
2nd Major/Minor unit		
2nd Major/Minor unit OR		
CS Major Elective choice from:		
CAB402	Programming Paradigms	
CAB420	Machine Learning	
Year 3, Semester 2		
IFB399	Capstone Project (Phase 2)	
IFB399 2nd Majo	Capstone Project (Phase 2) r/Minor unit	
IFB399 2nd Majo 2nd Majo	Capstone Project (Phase 2) r/Minor unit r/Minor unit	
IFB399 2nd Majo 2nd Majo 2nd Majo	Capstone Project (Phase 2) r/Minor unit r/Minor unit r/Minor unit OR	
IFB399 2nd Majo 2nd Majo 2nd Majo CS Major	Capstone Project (Phase 2) r/Minor unit r/Minor unit r/Minor unit OR Elective choice from:	
IFB399 2nd Majo 2nd Majo 2nd Majo CS Major CAB401	Capstone Project (Phase 2) r/Minor unit r/Minor unit r/Minor unit OR Elective choice from: High Performance and Parallel Computing	
IFB399 2nd Majo 2nd Majo 2nd Majo CS Major CAB401 CAB403	Capstone Project (Phase 2) r/Minor unit r/Minor unit r/Minor unit OR Elective choice from: High Performance and Parallel Computing Systems Programming	

12 credit points (1 unit) to be selected from the CS Major Elective Unit Option list



Year	2021
QUT code	IN01
CRICOS	012656E
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,200 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly
Discipline Coordinator	Dr Erwin Fielt +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

Information systems focuses on identifying organisational requirements for applications and acquiring effective systems solutions, whether custom designed and built or selected and implemented, to meet the requirements. Skills involve the design and development of large database applications for business, as well as the purchase and implementation of packaged software addressing business problems. It does not require in-depth knowledge of computer programming but rather indepth specialised knowledge of databases and software used in business or of the means to analyse business needs and, in partnership with the systems users, design solutions to the inefficiencies or ineffectiveness of business processes.

Career Outcomes

Information Systems graduates will have skills in design, systems thinking, stakeholder engagement and modelling and abstraction which position them to work as Business Analysts, IS Consultants, solving a range of organisational problems. In addition, depending on their choice of optional study areas, they will have the opportunity to gain specific expertise in Business Process Management, Social Media, Mobile Application Development or Services & Solutions undertaken through complementary minors. Specific skills in Service and Outcomes Management can be gained in the complementary minor called Service and Outcomes Management, which positions graduates for IT management roles within organisations.

Finally, further knowledge of and skills in design and innovation can be gained in the secondary major of Systems Innovation, which will lead to careers as IT innovators within enterprises, consulting companies or in their own start-ups.

Course Design

Your QUT Bachelor of Information Technology (Information Systems) degree consists of 288 credit points (24 units) arranged as follows:

a) 72 credit points (6 units) of Information Systems Core units, which includes 2 units from a selected options list.

 b) 120 credit points (10 units) of Information Systems discipline units.

c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set); or two Minors (4 unit set each); or one Minor (4 unit set) plus 4 elective units.

Information Systems Core Units

These units will engage you in understanding Information Systems from a range of disciplinary and multidisciplinary perspectives, expose you to the various outcomes available for pursuing studies in this field and introduce the fundamental basis for policy and



Bachelor of Information Technology (Information Systems)

practice. Later core units, together with the discipline specific units, will progress your learning development through experiential and enquiry based learning in collaborative environments.

Information Systems Major Discipline Units

These units give you discipline level knowledge, skills and application competencies from introductory through intermediate, culminating with advanced graduate level units. They focus on developing your knowledge, practice and higher order thinking to an advanced level.

Complementary Studies Options

Second Major:

A choice of one second major from:

Technology Innovation and Design Second Major
Computational and Simulation Science Second Major

Minors:

A choice of two minors from the lists below:

Business Process Management Minor

- Computer Science Minor
- Enterprise Systems Minor
- •Human-Computer Interaction Minor
- Information Systems
- *Intelligent Systems Minor
- Mobile Applications Minor
- •Networks and Security Minor
- Social Technology Minor
- •Software Development for IS and Games Minor
- Technology Innovation Minor
- University Wide Minors

Professional Recognition

Graduates are eligible for membership of the ACS (Australian Computer Society)

Domestic Course structure

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option unit* selected from an approved list
- 120 credit points (10 units) of major core units
- 96 credit points of complementary studies comprising of either a second major (8 unit set); or two minors (4 unit set each); or one minor (4 unit set) plus 4 elective

units.

*Unit options list - comprises a range of units from which you choose to undertake one unit. You are able to undertake this option in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

International Course structure

Requirements for the completion of IN01 Bachelor of Information Technology (Study Area A) are as follows:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option unit* selected from an approved list
- 120 credit points (10 units) of major core units
- 96 credit points of complementary studies comprising of either a second major (8 unit set); or two minors (4 unit set each); or one minor (4 unit set) plus 4 elective units.

*Unit options list - comprises a range of units from which you choose to undertake one unit. You are able to undertake this option in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

Sample Structure Semesters

- Year 1, Semester 1
- SELECT MAJOR
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 1
 Year 3, Semester 2
- <u>Note:</u>

Code Title

0000	1100
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB104	Building IT Systems
IFB105	Database Management
SELECT MAJOR	

Students should select their major prior to enrolling in their Core Option Units

Year 1, Semester 2		
IAB201	Modelling Techniques for Information Systems	
IAB207	Rapid Web Application Development	
Core Unit Option		
Core Unit Option		
Year 2, Semester 1		

IAB203	Business Process Modelling	
IAB204	Business Requirements Analysis	
2nd Major/Minor unit		
2nd Majo	pr/Minor unit	
Year 2, S	Semester 2	
IFB295	IT Project Management	
IAB305	Information Systems Lifecycle Management	
2nd Major/Minor unit		
2nd Major/Minor unit OR		
IS Major Elective choice from:		
IAB206	Modern Data Management	
IAB320	Business Process Improvement	
IAB303	Data Analytics for Business Insight	
Year 3, Semester 1		
	Canstone Project (Phase 1)	
IFB398	Capsione i Tojeci (i nase i)	
2nd Majo	or/Minor unit	
2nd Majo 2nd Majo	or/Minor unit	
2nd Majo 2nd Majo 2nd Majo 2nd Majo	or/Minor unit or/Minor unit or/Minor unit OR	
2nd Majo 2nd Majo 2nd Majo 2nd Major	or/Minor unit pr/Minor unit Or/Minor unit OR Elective choice from:	
2nd Majo 2nd Majo 2nd Majo IS Major IAB260	or/Minor unit or/Minor unit or/Minor unit OR Elective choice from: Social Technologies	
2nd Majc 2nd Majc 2nd Majc 2nd Majc IS Major IAB260 IAB402	Capstone Hoject (Hase H) pr/Minor unit pr/Minor unit OR Elective choice from: Social Technologies Information Systems Consulting	
2nd Majc 2nd Majc 2nd Majc IS Major IAB260 IAB402 IAB321	Capstone Froject (Fnase T) pr/Minor unit pr/Minor unit OR Elective choice from: Social Technologies Information Systems Consulting Business Process Technologies	
2nd Majo 2nd Majo 2nd Majo IS Major IAB260 IAB402 IAB321 Year 3, S	Capstone Froject (Fnase T) pr/Minor unit pr/Minor unit OR Elective choice from: Social Technologies Information Systems Consulting Business Process Technologies Semester 2	
2nd Majc 2nd Majc 2nd Majc 2nd Majc IS Major IAB260 IAB402 IAB321 Year 3, S IFB399	Capstone Froject (Fnase T) pr/Minor unit pr/Minor unit OR Elective choice from: Social Technologies Information Systems Consulting Business Process Technologies Semester 2 Capstone Project (Phase 2)	
2nd Majc 2nd Majc 2nd Majc IS Major IAB260 IAB402 IAB321 Year 3, S IFB399 IAB401	Capstone Hoject (Hase T) pr/Minor unit pr/Minor unit OR Elective choice from: Social Technologies Information Systems Consulting Business Process Technologies Semester 2 Capstone Project (Phase 2) Enterprise Architecture	
2nd Majc 2nd Majc 2nd Majc 2nd Majc IS Major IAB260 IAB402 IAB321 Year 3, S IFB399 IAB401 2nd Majc	Capstone Hoject (Hase T) pr/Minor unit pr/Minor unit OR Elective choice from: Social Technologies Information Systems Consulting Business Process Technologies Semester 2 Capstone Project (Phase 2) Enterprise Architecture pr/Minor unit	
IFB398 2nd Majc 2nd Majc 2nd Majc IS Major IAB260 IAB402 IAB321 Year 3, S IFB399 IAB401 2nd Majc 2nd Majc	Capstone Froject (Fnase T) pr/Minor unit pr/Minor unit OR Elective choice from: Social Technologies Information Systems Consulting Business Process Technologies Semester 2 Capstone Project (Phase 2) Enterprise Architecture pr/Minor unit pr/Minor unit	

12 credit points (1 unit) to be selected from the IS Major Elective Unit Option list



Year	2021
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,300 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown

Domestic Assumed

knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject

prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0



Year	2021
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,300 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown
Discipline Coordinator	Sorin Oancea +61 7 3138 2000 askqut@qut.edu.au

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

* Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose for your complementary studies.

International Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

* Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose for your complementary studies.

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2 Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2

Code	Title	
Year 1, Semester 1		
IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
Year 1, Semester 2		
KNB127	CGI Foundations	
KNB136	Visual Storytelling: Production Design	
Core Unit Option unit		
Core Unit Option unit		
Year 2 Semester 1		
IGB100	Game Studio 1: Mini-Game Development	
KNB137	Digital Worlds	
Complementary Studies Unit		
Complementary Studies Unit		
Year 2, Semester 2		



IGB200	Game Studio 2: Applied Game Development		
KNB135	Animation Aesthetics		
Complem	Complementary Studies Unit		
Complem	entary Studies Unit		
Year 3, Semester 1			
IFB398	Capstone Project (Phase 1)		
[IGB300 i 2021]	s replaced by IFB398 from		
KNB217	Digital Creatures		
Complem	entary Studies Unit		
Complem	entary Studies Unit		
your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator			
Year 3, S	emester 2		
IFB399	Capstone Project (Phase 2)		
[IGB301 is replaced by IFB399 from 2021]			
IGB400	Game Studio 3: Game Innovation		
Complementary Studies Unit			
Complementary Studies Unit			
	entary Studies Onit		



Year	2021
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,300 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

* Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose for your complementary studies.

International Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

* Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose for your complementary studies.

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2

Code	Title	
Year 1, Semester 1		
IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
Year 1, Semester 2		
DXB205	Interactive Narrative Design	
IGB220	Fundamentals of Game Design	
Core Unit Option unit		
Core Unit Option unit		
Year 2, Semester 1		
DXB211	Creative Coding	
IGB100	Game Studio 1: Mini-Game Development	
Complementary Studies Unit		
Complementary Studies Unit		
Year 2, Semester 2		



IGB200	Game Studio 2: Applied Game Development	
IGB321	Immersive Game Level Design	
[CAB210 People Context and Technology is replaced by IGB321 from 2021]		
Complementary Studies Unit		
Complem	entary Studies Unit	
Year 3, S	emester 1	
IFB398	Capstone Project (Phase 1)	
[IGB300 i: 2021]	s replaced by IFB398 from	
IGB388	Design and Development of Immersive Environments	
[IGB320 is replaced by IGB388 from 2021]		
Complementary Studies Unit		
Complem	entary Studies Unit	
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator		
Year 3, Semester 2		
IFB399	Capstone Project (Phase 2)	
[IGB301 is replaced by IFB399 from 2021]		
IGB400	Game Studio 3: Game Innovation	
Complementary Studies Unit		
Complementary Studies Unit		
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator		



Year	2021
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,300 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Ross Brown
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

* Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies or, explore which areas you may choose for your complementary studies.

International Course structure

Requirements for the completion of IN05 Bachelor of Games and Interactive Environments (Study Area A) are as follows:

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit points (2 units) of option units* selected from an approved list.
- 120 credit points (10 units) of Major core units
- 96 credit points of complementary studies comprising of either two minors (4 unit set each); or one minor (4 unit set) plus 48 credit points of elective units.

* Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environment, Information Technology. These units can be used to complement your Major studies, or explore which areas you may choose for your complementary studies.

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2

Code	Title	
Year 1, Semester 1		
IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
Year 1, Semester 2		
CAB201	Programming Principles	
IGB283	Game Engine Theory and Application	
Core Unit Option unit		
Core Unit Option unit		
Year 2, Semester 1		
CAB301	Algorithms and Complexity	
IGB100	Game Studio 1: Mini-Game Development	
Complementary Studies Unit		
Complementary Studies Unit		
Year 2. Semester 2		



IGB200	Game Studio 2: Applied Game Development	
Complementary Studies Unit		
Complementary Studies Unit		
Complementary Studies Unit		
Year 3, Semester 1		
IFB398	Capstone Project (Phase 1)	
[IGB300 i 2021]	s replaced by IFB398 from	
IGB383	Al for Games	
IGB388	Design and Development of Immersive Environments	
IGB381 is no longer offered. IGB381 was temporarily replaced by IFN692 in semester 2 2020. From S1 2021 onwards, IGB381 is replaced by IGB388.		
Complementary Studies Unit		
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.		
Year 3, Semester 2		
IFB399	Capstone Project (Phase 2)	
[IGB301 is replaced by IFB399 from 2021]		
IGB400	Game Studio 3: Game Innovation	
Complementary Studies Unit		
Complementary Studies Unit		
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.		



QUT

Bachelor of Mathematics

Year	2021
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$5,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,700 per year full-time (96 credit points)
Total credit points	288
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Tim Moroney

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Course Overview

The Bachelor of Mathematics course provides a modern and rigorous training in mathematics to prepare students both for graduate careers in industry and government as well as for honours and postgraduate research work. This course provides students with a mathematics degree that clearly defines paths of study associated with different graduate outcomes in order to meet the wide range of employment possibilities open to mathematics graduates. As well as this, it maintains for students the option to complete a degree that is heavily mathematical through the inclusion of second major and minor options in mathematics and statistics.

The course combines underlying theory with modelling, computational skills and the latest computer technology to enable students to solve real-world problems and prepare them for their future career. Skill development in communication, problem solving, critical thinking and teamwork form an integral part of this course.

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

(a) 72 credit points (6 units) of Core units, which are further divided into 48 credit points (4 units) of Mathematics Core units, and 24 credit points (2 units) of Core Option units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units, comprising from a choice of one (1) Major in either:

- Applied and Computational Mathematics;
- •
- Decision Science; or
- Statistical Science.

(c)

Professional Recognition

Professional recognition can be found in the individual majors of the Bachelor of Mathematics (MS01).

Pathways to Further Study

The QUT Bachelor of Mathematics is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in this discipline with an additional honours year in (MS10) Bachelor of Mathematics (Honours).

the university

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Year	2021
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	89.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$5,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,700 per year full-time (96 credit points)
Total credit points	288
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Tim Moroney
Discipline Coordinator	Dr Pascal Buenzli +61 7 3138 2000 askqut@qut.edu.au

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

The Applied and Computational Mathematics major provides high quality learning for students who want to combine their studies in mathematics with considerable involvement in real-world applications and computational simulations. The major introduces you to a wide range of concepts in mathematical foundations, modelling and computational methods, and provides strong links between theory and application. You will investigate underlying mathematical theory to see how it can be applied to real-world scenarios from many fields of study including the physical and chemical sciences, biology, engineering and the social sciences. You will also develop computational solution and simulation methods to couple with modelling skills in order to investigate large-scale applied problems.

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows: (a) 72 credit points (6 units) of Core units, which are further divided into 48 credit points (4 units) of Mathematics Core units, and 24 credit points (2 units) of Core Option units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units

(c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set) or two Minors (4 unit set each).

Mathematics Core Units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core Option Units List

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

Major Units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major upfront.

Complementary Studies

Applied and Computational Mathematics Major students may elect to undertake a Second Major (8 unit set) or two Minors (4 unit set each)

Second Major:

A choice of one second major from:

- Decision Science
- Statistical Science
- •
- Computational and Simulation Science



Bachelor of Mathematics (Applied and Computational Mathematics)

- Accountancy
- Applied Economics and Finance
- Logistics Management
- **Biological Sciences** •
- •
- Chemistry
- Earth Science
- **Environmental Science**
- · Physics
- Minors:
 - Decision Science
 - Statistical Science

 - Discrete Mathematics

 - Computational and Simulation Science
 - **Biological Sciences**
 - Chemistry

 - Earth Science

 - **Environmental Science**
 - Physics

 - International exchange

 - University Wide Minors

Career Outcomes

As a graduate of the Bachelor of Mathematics (Applied and Computational Mathematics) you will find employment opportunities across a wide range of areas, such as finance, investment, information technology, environmental management, health, marketing, logistics, defence, medicine, education and research. In addition to your knowledge and abilities in mathematics, you will also be highly valued for your analytical and problem-solving skills.

Professional Recognition

Graduates are eligible for membership in the Australian Mathematical Society (AMS), and ANZIAM.

Domestic Course structure

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

- 96 credit points (8 units) of core units, including 12 credit points (1 unit) of core option selected from an approved list
- 96 credit points (8 units) of major units
- 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

***Note: Students who haven't completed Specialist Mathematics (Maths C) in high school must select MXB100 as at Core Option in semester 1.

Major units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major until your second year of study.

Second major or minors

You may choose to undertake a second major: an eight-unit set in which you will acquire a significant depth of knowledge and expertise in an area to complement your major. You may choose a second major in decision science, statistical science, computational and simulation science, accountancy, applied economics and finance, physics, chemistry, biological science, earth science or environmental science.

Alternatively you may choose to undertake two minors: four-unit sets with intermediate to advanced level content which extend or supplement studies in your major. Minors are available from a range of inter- and intra-faculty disciplines, as well as experiential minors such as international exchange.

International Course structure

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

- 96 credit points (8 units) of core units, including 12 credit points (1 unit) of core option selected from an approved list
- 96 credit points (8 units) of major units
- 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

***Note: Students who haven't completed Specialist Mathematics (Maths C) in high school must select MXB100 as at Core Option in semester 1.



Bachelor of Mathematics (Applied and Computational Mathematics)

Major units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major until your second year of study.

Second major or minors

You may choose to undertake a second major: an eight-unit set in which you will acquire a significant depth of knowledge and expertise in an area to complement your major. You may choose a second major in decision science, statistical science, computational and simulation science, accountancy, applied economics and finance, physics, chemistry, biological science, earth science or environmental science.

Alternatively you may choose to undertake two minors: four-unit sets with intermediate to advanced level content which extend or supplement studies in your major. Minors are available from a range of inter- and intra-faculty disciplines, as well as experiential minors such as international exchange

international exchange.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- <u>NOTE:</u>

MXB107

Code Title Year 1, Semester 1 Probability and Stochastic **MXB101** Modelling 1 Abstract Mathematical MXB102 Reasoning MXB106 Linear Algebra MXB161 Computational Explorations Please note: Students who haven't taken Specialst mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161. Year 1, Semester 2 Introductory Computational **MXB103** Mathematics Calculus and Differential **MXB105** Equations

Introduction to Statistical

Modelling

Core Unit Option* Year 2, Semester 1 MXB201 Advanced Linear Algebra Modelling with Differential **MXB225** Equations 1 2nd Major/Minor unit 2nd Major/Minor unit Year 2, Semester 2 MXB202 Advanced Calculus MXB226 Computational Methods 1 2nd Major/Minor unit 2nd Maior/Minor unit Year 3, Semester 1 MXB322 Partial Differential Equations MXB326 Computational Methods 2 2nd Major/Minor unit 2nd Major/Minor unit Year 3, Semester 2 Modelling with Differential **MXB325** Equations 2 Work Integrated Learning in Applied and Computational **MXB328** Mathematics 2nd Major/Minor unit 2nd Major/Minor unit NOTE: *Core Unit Options may be taken in any semester - depending on choice of Options/ 2nd Major/ Minors

Year	2021
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	89.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$5,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,700 per year full-time (96 credit points)
Total credit points	288
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Tim Moroney
Discipline Coordinator	Dr Paul Wu +61 7 3138 2000 askqut@qut.edu.au

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Decision science is a mathematical discipline that considers how to make appropriate and better decisions in complex decision-making problems. It deals with how best to design, operate and/or predict behaviour of complex systems like people, machinery, materials and money in industry, business, finance, education, government and defence. The Decision Science major encompasses the study of quantitative techniques relevant to decision-making in its broadest sense. You will employ a problem-solving approach, using advanced analytical methods such as operations research, financial mathematics, stochastic and mathematical modelling, and mathematical optimisation. Along the way you will also use a variety of software and improve your information technology skills. Because of its emphasis on humantechnology interaction and its focus on practical applications, Decision Science overlaps with other disciplines, notably industrial engineering and operations management, economics and finance. This is a multi-disciplinary field.

The coursework also introduces you to different industries and processes that greatly contribute to the economy and environment of nations around the world. These include manufacturing and production, management, health care, finance and economics, goods and services, infrastructure, transportation and logistics, mining, defence, etc. This study area provides a foundation for a variety of careers, and further study.

There is a strong emphasis on:

Sample Structure Semesters

- Voor 1 Somoo
- Year 1, Semester 1
 Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 1
 Year 2, Semester 2
- Vear 3 Semester 2
- Year 3, Semester 1
 Year 3, Semester 2
- NOTE:

Code	Title
Year 1, Semester 1	
MXB101	Probability and Stochastic Modelling 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
MXB161	Computational Explorations

*** Please note: Students who haven't taken Specialst mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161. This unit will count as their core option.

Year 1, Semester 2		
MXB103	Introductory Computational Mathematics	
MXB105	Calculus and Differential Equations	
MXB107	Introduction to Statistical Modelling	
Core Unit Option*		
Year 2, Semester 1		
MXB201	Advanced Linear Algebra	
MXB232	Introduction to Operations Research	
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 2, Semester 2		
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 3, Semester 1		

MXB332 Optimisation Modelling



Bachelor of Mathematics (Operations Research)

MXB341	MXB341 Statistical Inference		
2nd Major/Minor unit			
2nd Major/Minor unit			
Year 3, Semester 2			
MXB334	Operations Research for Stochastic Processes		
MXB338	Work Integrated Learning in Operations Research		
2nd Major/Minor unit			
2nd Major/Minor unit			
NOTE:			
*Core Unit Options may be taken in any semester - depending on choice of			

Options/ 2nd Major/ Minors



Year	2021
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	89.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$5,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,700 per year full-time (96 credit points)
Total credit points	288
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Professor Tim Moroney
Discipline Coordinator	Dr Paul Wu +61 7 3138 2000 askqut@qut.edu.au

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

The Statistical Science major will provide you with the methodology for analysing data using empirical, theoretical and computational tools. You will discover complex statistical techniques and concepts through applications and datasets from the real world, providing strong links between theory and application. Many of our academics are world leaders in research and have strong industry ties that ensure the relevance of teaching material and high-quality learning experiences. The major will provide you with a fundamental and thorough understanding of statistics and statistical methodology, and the ability to apply such quantitative skills in real-world scenarios. Thus we aim to prepare you for a career in industry, government and/or research.

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

(a) 72 credit points (6 units) of Core units,

which are further divided into 48 credit points (4 units) of Mathematics Core units, and 24 credit points (2 units) of Core Option units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units

(c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set) or two Minors (4 unit set each).

Mathematics Core Units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core Option Units List

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

Major Units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major upfront.

Complementary Studies

Statistical Science Major students may elect to undertake a Second Major (8 unit set) or two Minors (4 unit set each)

Second Major:

A choice of one second major from:

- Applied and Computational Mathematics
- •
- Decision Science
- Accountancy
- •
- Applied Economics and Finance



- Logistics Management
- Biological Sciences
- Chemistry
- Earth Science •
- **Environmental Science**
- Physics

Minors:

- Applied and Computational Mathematics
- Decision Science
- **Discrete Mathematics**
- Computational and Simulation Science
- **Biological Sciences**
- Chemistry
- Earth Science
- . **Environmental Science**
- Physics
- International exchange
- University Wide Minors

Career Outcomes

Career outcomes for graduates of the Bachelor of Mathematics (Statistical Science) include data analyst, quantitative analyst, researcher, risk analyst, and statistician. Positions of this nature are often found with employers such as the Australian Bureau of Statistics, Queensland Treasury, state and Commonwealth governments, financial institutions, CSIRO, insurance companies, medical companies.

Professional Recognition

Graduates are eligible for membership in the Statistical Society of Australia

Domestic Course structure

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

- 96 credit points (8 units) of core units, which include a core option units selected from an approved list
- · 96 credit points (8 units) of major units
- 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; operations research; and statistics.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics. science and computing to simulate realworld problems.

*** Please note: Students who haven't taken Specialst mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161. This unit will count as their core option.

Major units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing you for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major until your second year of study.

Second major or minors

You may choose to undertake a second major: an eight-unit set in which you will acquire a significant depth of knowledge and expertise in an area to complement your major. You may choose a second major in applied and computational mathematics, operations research, computational and simulation

science, accountancy, applied economics and finance, physics, chemistry, biological science, earth science or environmental science.

Alternatively you may choose to undertake two minors: four-unit sets with intermediate to advanced level content which extend or supplement studies in your major. Minors are available from a range of inter- and intra-faculty disciplines, as well as experiential minors such as international exchange.

International Course structure

Course Design

Your QUT Bachelor of Mathematics degree consists of 288 credit points (24 units) arranged as follows:

- 96 credit points (8 units) of core units, which include a core option units selected from an approved list
- 96 credit points (8 units) of major units
- 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each)

Mathematics Core Units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; operations research; and statistics.

Core Option Units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

*** Please note: Students who haven't taken Specialst mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161. This unit will count as their core option.

Major Units

Your major is your area of specialisation, in which you will acquire in-depth knowledge and expertise, preparing



Bachelor of Mathematics (Statistics)

for your entry into the workforce or for further study. All majors share the same introductory and advanced units in algebra and calculus, meaning you do not need to decide on your major until your second year of study.

Second Major or Minors

You may choose to undertake a second major: an 8 unit set in which you will acquire a significant depth of knowledge and expertise in an area to complement your major. You may choose a second major in applied and computational mathematics, operations research, statistics, computational and simulation science, accountancy, applied economics and finance, physics, chemistry, biological science, earth science or environmental science.

Alternatively you may choose to undertake two minors: 4 unit sets with intermediate to advanced level content which extend or supplement studies in your major. Minors are available from a range of inter- and intra-faculty disciplines, as well as experiential minors such as international exchange.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 •
- .
- Year 3, Semester 1
- Year 3, Semester 2
- <u>NOTE</u>:

Code Title

Year 1, Semester 1		
MXB101	Probability and Stochastic Modelling 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
MXB161	Computational Explorations	
Please note: Students who haven't taken Specialst mathematics (Maths C) in high school must take MXB100 in Semester 1 instead of MXB161. This unit will count as their core option.		
Year 1, Semester 2		
MXB103	Introductory Computational Mathematics	
MXB105	Calculus and Differential Equations	
MXB107	Introduction to Statistical Modelling	
Core Unit Option*		
Year 2, Semester 1		
MXB201	Advanced Linear Algebra	

MXB242	MXB242 Regression and Design		
2nd Major/Minor unit			
2nd Major/Minor unit			
Year 2, Semester 2			
MXB202	Advanced Calculus		
MXB241	Probability and Stochastic Modelling 2		
2nd Major/Minor unit			
2nd Major/Minor unit			
Year 3, S	emester 1		
MXB341	Statistical Inference		
MXB344	Generalised Linear Models		
2nd Major/Minor unit			
2nd Major/Minor unit			
Year 3, Semester 2			
MXB343	Modelling Dependent Data		
MXB348	Work Integrated Learning in Statistics		
2nd Major/Minor unit			
2nd Major/Minor unit			
NOTE:			
*Core Unit Options may be taken in any			

semester - depending on choice of Options/ 2nd Major/ Minors



QUT

Year	2021
QUT code	MV01
CRICOS	103172A
Duration (full-time)	4 years
ATAR/Selection rank	91.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$4,400 per year full-time (105 credit points)
International fee (indicative)	2021: \$34,300 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	7.5	
Listening	8.0	
Reading	7.0	
Writing	7.0	
Speaking	8.0	

Domestic Course structure

This course is a vertical double degree, combining MV01 Bachelor of Mathematics with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree,

combining MV01 Bachelor of Mathematics with EU50 Master of Teaching (Secondary).



Bachelor of Mathematics/Master of Teaching (Secondary)

Sample Structure

- **Semesters**
 - Year 1, Semester 1
 - Year 1, Semester 2
 - ٠ Summer
 - Maths options *
 - Year 2, Semester 1 ٠
 - Year 2, Semester 2
 - Year 2, Summer (EU50 Master of • Teaching (Secondary))
 - Year 3, Semester 1 .
 - Year 3, Semester 2 ٠
 - Year 4, Semester 1 Year 4, Semester 2 •
 - •

Code	Title	
Year 1, Semester 1		
MXB101	Probability and Stochastic Modelling 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
MXB105	Calculus and Differential Equations	
Year 1, S	emester 2	
	Introductory Computational	
MXB103	Mathematics	
MXB107	Introduction to Statistical Modelling	
MXB161	Computational Explorations	
MXB241	Probability and Stochastic Modelling 2	
Summer		
Maths Op	otional unit *	
Maths op	tions *	
Select one unit (12 credit points) from		
MXB100	Introductory Calculus and Algebra	
(Note: Stu Maths C/S select MX	Idents who haven't completed Specialist Mathematics MUST (B100)	
MXB261	Modelling and Simulation Science	
MXB262	Visualising Data	
SEB104	Grand Challenges in Science	
Year 2, S	emester 1	
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
or		
MXB242	Regression and Design	
MXB232	Introduction to Operations Research	
IFB104	Building IT Systems	
Year 2, S	emester 2	
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
MXB334	Operations Research for	

CAB201 F Year 2, Sui Feaching (S EUN101 F EUN102 C EUN102 T EUN103 T	Programming Principles mmer (EU50 Master of Secondary)) Supporting Innovative Pedagogy with Digital Fechnologies Child and Adolescent Development Feaching EAL/D Learners Culture Studies: Indigenous	EUN240 Designate Capstone	semester of study. Teachers Researching Practice ed Unit: EUN240. EUN240 is a unit with Conference and mus
Year 2, Sur Feaching (S EUN101 F EUN102 C EUN102 T EUN103 T	mmer (EU50 Master of Secondary)) Supporting Innovative Pedagogy with Digital Fechnologies Child and Adolescent Development Feaching EAL/D Learners	EUN240 Designate Capstone	Practice ed Unit: EUN240. EUN240 is a unit with Conference and mus
EUN101 F T EUN102 EUN103 T	Supporting Innovative Pedagogy with Digital Fechnologies Child and Adolescent Development Feaching EAL/D Learners	Designate Capstone	ed Unit: EUN240. EUN240 is a unit with Conference and mus
EUN102 C EUN103 T	Child and Adolescent Development Feaching EAL/D Learners	be taken	in your final semester of study.
EUN103 T	Feaching EAL/D Learners	assumed	knowledge. It requires a blue
	Culture Studies: Indigenous		Advanced Statistical Data
=UN104 E	Education	MXN600	Analysis
Year 3, Sei	mester 1		
EUN105 T	Feaching in New Times		
EUN120 F	Curriculum and Pedagogy 1: Foundations		
MXB322 F DR	Partial Differential Equations		
MXB332	Optimisation Modelling		
MXB326 (OR	Computational Methods 2		
MXB341	Statistical Inference		
Yea <u>r 3, Se</u> i	mester 2		
EUN109	nclusive Teaching for Diverse ₋earners		
	Feachers as Leaders and Entrepreneurial Thinkers		
EUN121 (F	Curriculum and Pedagogy 2: Planning		
	Curriculum and Pedagogy 3: Assessment		
EUN130 F F	Professional Experience: ntroduction to Professional Practice		
Designated days profes requires a l	I Unit: EUN130. Contains 15 ssional experience and blue card		
Year 4, Sei	mester 1		
EUN211 L	Jnderstanding Adolescent ₋earners		
EUN221	Curriculum and Pedagogy 4: Senior A		
	Curriculum and Pedagogy 5: Senior B		
EUN231 F 2 F	Professional Experience: Fransition to Professional Practice		
Designatec days profes requires a l	I Unit: EUN231. Contains 20 ssional experience and blue card		
Year 4, Sei	mester 2		
EUN223	Curriculum and Pedagogy 6: Learning Project		
EUN232 F	Professional Experience: Fransition to Professional Practice		
Designated days profes	Unit: EUN232. Contains 25 Sional experience and		
nformation, visit eCode=MV01&id	=38170. CRICOS No.00213J	the u r the re	niversity eal world



Year	2021
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson

Domestic Entry requirements International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Course Rules

1. To fulfil the requirements for the award of the Bachelor of Science degree, you must complete a total of at least 288 credit points, comprising at least 192 credit points of science units. The units completed for the award of the degree must include:

(a) the first year program as outlined in the course summary(b) a major study

(c) a second major study or two minor areas of study

Major and second major studies are defined in terms of the discipline area and the academic level at which the units are offered.

Major

A major must be completed in one of the following discipline areas: biological sciences; chemistry; earth science; environmental science; physics. A major comprises 120 credit points of units at advanced level, including at least 48 credit points at the third level.

Second Major

A second major may be completed by selecting appropriate units from another major, or from the following additional discipline areas:

Human Biomolecular Science, Innovation and Entrepreneurship, Policy & Governance, Sustainable Environments for Health, Computational Science, Science Communication.

Minors and Extension Minors

Minors and Extension Minors are offered in the following disciplines:

Analytical Chemistry, Astrophysics, Cell and Molecular Biology, Human Health and Disease, Industrial Chemistry, Sustainable Environments for Health, Wildlife Biology, Marine Science, Plant Biotechnology, Genetics and Genomics, Forensic Science, Applied Ecology.

Non-Science: corporate IT systems, environmental engineering studies, ethics and human rights, foreign languages, games technology, management, marketing, music, nutrition, psychology etc.

Note: A second major comprises 96 credit points with at least 60 credit points at advanced level for the Science second majors and at least 48 credit points for the non-Science second majors. Major and second major studies may be taken in closely related discipline areas.

2. Optional (elective) units may be chosen from (a) ST01 majors/second majors other than those undertaken by a student, (b) other appropriate units offered by the Science and Engineering Faculty, and (c) units offered by other faculties.

3. Students are normally expected to complete the course in minimum time. A full-time student normally enrols in an average of 48 credit points per semester for six semesters and a part-time student normally enrols in 24 credit points per semester for 12 semesters. (A full-time student is one who is enrolled in 36 or more credit points per semester, whereas a part-time student is one who is enrolled in less than 36 credit points per semester.)

Notes on the Rules

1. For offerings in the Science and Engineering Faculty, the term advanced level refers to units in Schedules 2 and 3. For units offered outside the Science and Engineering Faculty, the term advanced level refers to units for which there is at least one prerequisite unit.

2. Level 2 and level 3 units are listed in Schedules 2 and 3 respectively according to their unit codes. For each unit, the major(s) and/or second major(s) in which the unit is offered are shown. It should be noted that not every advanced level unit offered in each major/second major is mandatory.



3. The major undertaken by a student will qualify the generic award title of BSc and will appear in the award title in parentheses. The general form of the award will therefore be: BSc(Major).

Domestic Course structure Your science degree

At QUT you'll create your own personal science degree program of 24 units. During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science the opportunity to learn by enquiry, and to broaden your understanding of the core sciences. You'll study four Faculty core units and an Optional unit of your choice.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study.

It comprises 11 units and there are five majors to choose from:

- biological sciences
- chemistry
- earth sciences
- environmental sciences
- physics.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a Second major (eight units); or an Extended minor (four units) or Breadth minor (four units), plus either a Faculty minor (four units) or Breadth minor (four units).

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second Science discipline, or explore different perspectives which might include:

- computational science
- innovation
- science communication, or
- policy and governance.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major two minors.



Year	2021
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	Dr Marion Bateson and Associate Professor Matthew Phillips +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT Year 12 Early Offer Scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

<u>Diploma of Laboratory Technology</u>

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence

online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

Biology is the study of life and living things: animals, insects, plants, and microorganisms; everything that breathes, grows and feeds us; creatures that fly through the air majestically and those that lurk in the depths of the ocean, under rocks, or even under the toilet seat.

Biologists are curious about all these things and want to know how they work, how to grow and protect them—how to get involved with life on this planet.

Biologists also love a challenge. How will we feed a population of eight billion people in 2025? Can we use biological waste to solve our energy crisis? How can we protect our plants and animals from new and fiendish exotic diseases? And how many rare species can we save from extinction?

Why choose this course?

This course will provide a strong foundation in the core biological sciences such as physiology, genetics, zoology, plant sciences and microbiology. It has been designed to be hands on, to develop problem solving skills through active learning, and to give an early appreciation



of the way that many disciplines can be brought to bear on a single problem.

As well as receiving core training in the basics through the biology major, students can either add breadth to their degree by choosing a minor from a complementary discipline (e.g. chemistry), or depth to their biological skills through a specialised minor such as biotechnology.

During the course you will experience some of the most advanced laboratories in Australia and be taught by staff who are at the top of their research fields internationally. You can also expect to stay in touch with the real world, as guest lectures, site visits and opportunities for work-integrated learning bring a strong industry flavour to the degree.

Career outcomes

Biology graduates work in a wide range of jobs throughout the public and private sectors, and in a range of environments including offices, laboratories, farms, fields, factories cities and forests.

Laboratory-based careers may include laboratory management, basic research, forensic microbiology, or molecular genetics. Farm and field-based work could entail animal management, plant breeding, entomology, marine biology, or pest and disease management. Industrial work might involve biotechnology to produce food, fuel or pharmaceuticals. Other careers could involve science writing, teaching, policy development, or the commercialisation and the management of biological products and processes.

Professional recognition

Professional recognition can be achieved through membership of an appropriate scientific society, such as the Australian Society for Biochemistry and Molecular Biology, the Ecological Society of Australia, the Australian Society of Horticultural Science and many more.

Domestic Course structure

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry. From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or two minors (four units each).

Second major (eight units) Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (chemistry, earth science, environmental science or physics), or explore different perspectives which might include:

- computational and simulation science
- innovation and entrepreneurship
- science communication, or

• policy and governance.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major two minors.

- Veer 1 Seme
- Year 1, Semester 1
 Voor 1, Semester 2
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Biological Sciences Major Unit Options

Code	Title		
Year 1, S	Year 1, Semester 1		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 1, S	emester 2		
BVB101	Foundations of Biology		
BVB102	Evolution		
Core Unit	Option		
Biologica	Sciences Major Unit Option		
Year 2, S	emester 1		
BVB202	Experimental Design and Quantitative Methods		
BVB301	Animal Biology		
2nd majo	r or minor unit		
2nd majo	r or minor unit		
Year 2, S	emester 2		
BVB201	Biological Processes		
BVB204	Ecology		
2nd major or minor unit			
2nd majo	r or minor unit		
Year 3, S	emester 1		
BVB203	Plant Biology		
BVB305	Microbiology and the Environment		
2nd majo	r or minor unit		
2nd major or minor unit			
Year 3, Semester 2			
BVB313	Population Genetics and Molecular Ecology		
BVB304	Integrative Biology		
2nd major or minor unit			
2nd major or minor unit			
Biologica	Sciences Major Unit Options		
CVB101	General Chemistry		
CVB102	Chemical Structure and Reactivity		
ERB101	Earth Systems		



Bachelor of Science (Biological Sciences)		
ERB102	Evolving Earth	
EVB102	Ecosystems and the Environment	
MXB100	Introductory Calculus and Algebra	
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	



QUT

Bachelor of Science (Chemistry)

Year	2021
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	Associate Professor Tim Dargaville +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT Year 12 Early Offer Scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

<u>Diploma of Laboratory Technology</u>

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence

online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

Chemists are involved in most areas of science, technology, environment and industry; for example, medicinal drugs, nanotechnology, water and air quality and energy production. Manufacturing industries rely on chemists to ensure that quality and safety standards are maintained. The development of better and safer drugs depends heavily on the input of chemists.

Chemistry is the study of structures, properties, synthesis and reactions of molecules and materials and these principles are fundamental to many other disciplines, including biotechnology, environmental science, geosciences, materials science and food science.

At QUT you will study analytical, physical, organic and inorganic chemistry with an additional focus on modern applications such as nanotechnology, analytical chemistry, and spectroscopy.

Why choose this course?

The QUT chemistry degree is a qualification that is known and respected by employers. Many employers prefer QUT chemistry graduates, especially



Bachelor of Science (Chemistry)

those with an extension minor in chemistry, because of their advanced technical skills, their experience with modern instrumentation and their training in scientific communication.

After two years' study, you will be eligible to apply for the Queensland Health Analytical Chemistry Scholarship (available only to QUT chemistry students), which pays \$21 000 for your third year, with guaranteed employment for two years after graduation#.

Our training in analytical chemistry throughout the chemistry degree is renowned nationally. You will undertake a comprehensive laboratory program including experiments using modern computer-based analytical instruments and gain vital knowledge and experience in the health and safety aspects of handling chemicals. You will learn under the guidance of highly respected lecturers, most of whom are actively involved in cutting-edge research.

Career outcomes

Among a diverse range of employment opportunities, you may become an industrial chemist, materials scientist, environmental chemist, quality control analyst, laboratory supervisor, food chemist, or an organic/inorganic chemist. Your interaction with QUT experts in current fields of interest, including drug development, clay and minerals chemistry, renewable energy sources, nanotechnology, environmental monitoring, and applications of modern analytical instrumentation, may lead to careers in these areas.

QUT graduates are sought after by police and other forensics laboratories because of their extensive practical training using modern analytical instrumentation. With the addition of a postgraduate diploma in education, you may wish to pursue opportunities in the teaching profession.

Professional recognition

Graduates completing the chemistry major with the chemistry for industry second major are eligible for membership of the Royal Australian Chemical Institute.

Domestic Course structure

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units. From 2018 MXB100 Introductory Calculus and Algebra will also be part of your major.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or a minor (four units).

Second major (eight units) Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (biological sciences, chemistry,

environmental science or physics), or explore different perspectives which might include:

- computational and simulation science
- innovation and entrepreneurship
- science communication, or
- policy and governance.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major with two minors.

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2

Code	Title		
Year 1, S	Year 1, Semester 1		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 1, S	emester 2		
CVB101	General Chemistry		
CVB102	Chemical Structure and Reactivity		
MXB100	Introductory Calculus and Algebra		
Core Unit	Option		
Year 2, S	emester 1		
CVB201	Inorganic Chemistry		
CVB202	Analytical Chemistry		
2nd majo	r or minor unit		
2nd majo	r or minor unit		
Year 2, S	emester 2		
CVB203	Physical Chemistry		
CVB204	Organic Structure and Mechanisms		
2nd majo	r or minor unit		
2nd majo	r or minor unit		
Year 3, S	emester 1		
CVB301	Organic Chemistry: Strategies for Synthesis		
CVB302	Applied Physical Chemistry		
2nd majo	r or minor unit		
2nd major or minor unit			
Year 3, S	emester 2		
CVB303	Coordination Chemistry		
CVB304	Chemistry Research Project		
2nd major or minor unit			
2nd major or minor unit			



QUT

Bachelor of Science (Earth Science)

Year	2021
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	Dr Luke Nothdurft +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT Year 12 Early Offer Scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

<u>Diploma of Laboratory Technology</u>

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence

online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

The Earth is an amazing place and for an earth scientist, it offers a unique natural laboratory that covers both space and time. Earth science is a multidisciplinary science that applies the tools of chemistry, physics, biology and mathematics to understand earth processes, decipher its past and predict its future. Earth scientists work to monitor changes in the Earth's environment and suggest solutions to environmental problems. They study natural hazards to find ways to lessen the loss of life and reduce property damage.

Earth scientists play key roles in the search for fuels and minerals. Climate change, earthquakes, and geothermal energy are just a few of the issues that require knowledge of earth science. Earth science (also known as geoscience) blends the traditional fields of geology, physical geography and oceanography/ hydrology. Geology describes the rocky parts of the Earth's crust (or lithosphere) and its historic development. Physical geography, which studies the Earth's surface, includes geomorphology, soil science, and biogeoscience. The marine and freshwater parts of Earth define the



fields of oceanography and hydrology.

Why choose this course?

Earth science is an exciting and fun science with many interesting and practical applications and a great number of travelling opportunities. If you enjoy working outdoors and are interested in understanding how the world works, then you will find earth science a rewarding area of study. Blending current research issues and problem solving with theory and industry-related, hands-on practicals, the earth science major provides you with a fundamental background to pursue a career in either the resource or the environmental sector.

Career outcomes

There is currently a shortage of earth scientists in Australia and employment rates are high and salaries great. Earth scientists are in high demand in the energy sector (oil, gas, coal, geothermal) and exploration and mining industries. Many earth scientists find employment in environmental consulting companies tackling geotechnical, groundwater contamination, natural hazards or climate change issues. Earth scientists may work for government agencies such as CSIRO and Geoscience Australia doing applied research, or for state or local governments.

Domestic Course structure

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Your major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or a minor.

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (biological sciences, chemistry, environmental science or physics), or explore different perspectives which might include:

- computational and simulation science
- innovation and entrepreneurship
- science communication, or
- policy and governance.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major with two minors.

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- <u>Year 3, Semester 2</u>
 Earth Science Major Unit Options

Code	Title	
Year 1, S	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1, S	emester 2	
ERB101	Earth Systems	
ERB102	ERB102 Evolving Earth	
Core Unit	Option	
Earth Sci	ence Major Unit Option	
Year 2, S	emester 1	
ERB201	Destructive Earth: Natural Hazards	
ERB202	Marine Geoscience	
2nd majo	r or minor unit	
2nd majo	r or minor unit	
Year 2, S	emester 2	
ERB203	Sedimentary Geology and Stratigraphy	
ERB204	Deforming Earth: Fundamentals of Structural Geology	
2nd majo	r or minor unit	
2nd major or minor unit		
Year 3, S	emester 1	
ERB302	Applied Geophysics	
ERB301 Chemical Earth		
2nd majo	r or minor unit	
2nd majo	r or minor unit	
Year 3, S	emester 2	
ERB303	Energy Resources and Basin Analysis	
ERB304	Dynamic Earth: Plate Tectonics	
2nd major or minor unit		
2nd major or minor unit		
Earth Sci	ence Major Unit Options	
BVB101	Foundations of Biology	
BVB102	Evolution	
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
EVB102	Ecosystems and the Environment	
MXB100	Introductory Calculus and Algebra	
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	



Year	2021
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	Dr Andrew Baker +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT Year 12 Early Offer Scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

<u>Diploma of Laboratory Technology</u>

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence

online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Why choose this course?

The environmental science course at QUT is designed to provide hands-on skills and field experiences using realworld industry examples and methods to allow you to pursue a variety of careers as an environmental scientist. The program has particular strengths in the areas of land resources, hydrogeology, environmental geology, biogeochemistry, geographic information systems and field mapping, systems modelling and sustainable management.

The program also emphasises practical skills and experience, including day-long and extended field trips. You will learn from guest lecturers from relevant government agencies, industry and QUT staff who regularly provide advice for industry, government and community groups.

Overview

We rely on our natural environment to sustain our lives and our lifestyles. Do you want to help the earth's natural environment to maintain its integrity while continuing our urban and rural development? Have you wanted to be part of the solution to our increasing



Bachelor of Science (Environmental Science)

environmental issues such as climate change, air, water and soil quality, soil erosion, dry land salinity or water resources? We continually need to improve our understanding and management of the natural environment to balance our development with wise management while minimising impacts and degradation.

An understanding of the mechanisms controlling environmental systems provides the skills required to undertake a great range of scientific environmental planning and management, and tackle problems such as local water quality and ecosystem impacts, soil erosion, catchment and groundwater use, or adaptation to global climate change.

Career outcomes

Environmental scientists are continually needed in a wide variety of planning, management, monitoring and research careers. These roles are usually found in government departments and agencies, local councils, consultancy, and industrial and mining companies. As an environmental science graduate, you could be working in urban, rural or remote settings depending on your interests.

Graduates are equipped to assess resources, implement environmental impact programs, analyse and interpret environmental data and formulate contingency plans in a wide variety of areas. These include strategic land use planning; waste disposal; pollution measurement and control; coastal protection; environmental impact of mining, tourism and urban development; rehabilitation and reforestation of degraded sites; ground water assessment and modelling; flood plain planning; erosion control; and marine science.

Professional recognition

Graduates are eligible for membership of the Environment Institute of Australia and New Zealand and a variety of other scientific societies, including the Soil Science Society of Australia and the Ecological Society of Australia.

Domestic Course structure Your science degree

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These six units give you an introduction to the principles of science. The inquiry based experimental science units will give

you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 10 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or an extended minor (four units) or breadth minor (four units), plus either a faculty minor (four units) or breadth minor (four units).

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline

(biological sciences, chemistry, environmental science or physics), or explore different perspectives which might include:

- · computational and simulation science
- innovation and entrepreneurship
- · science communication, or
- policy and governance.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to your chosen science major with two minors. Minors include:

Extension minor (four units)

Gain further insights and depth in your primary area of study. Intensify your chosen major to develop additional knowledge, skills and experience for your career in science.

Breadth minor (four units)

Broaden your studies to include minors from the list of science majors, second majors or from the list of university-wide minors.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 .
- Year 2, Semester 2 Year 3, Semester 1
- Year 3, Semester 2
- Environmental Science Major Unit Options

Code	Title
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Core Unit Option	
Environmental Science Major Unit Option	
Year 2, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
2nd major or minor unit	
2nd major or minor unit	
Year 2 Semester 2	

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BVB204	Ecology	
EVB302	Environmental Pollution	
2nd majo	r or minor unit	
2nd majo	r or minor unit	
Year 3, S	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
2nd majo	r or minor unit	
2nd major or minor unit		
Year 3, S	emester 2	
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	
2nd major or minor unit		
2nd major or minor unit		
Environmental Science Major Unit		
Options		
BVB101	Foundations of Biology	
BVB102	Evolution	
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
ERB102	Evolving Earth	
MXB100	Introductory Calculus and Algebra	
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	



QUT

Bachelor of Science (Physics)

Year	2021
QUT code	ST01
CRICOS	077696D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,100 per year full-time (96 credit points)
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson
Discipline Coordinator	Dr Konstantin Momot +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT Year 12 Early Offer Scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Helping you to get into your course

If you don't think your ATAR or selection rank is high enough to get into this course, you can guarantee your entry with guaranteed advanced standing by upgrading through one the following programs which you can select as one of your QTAC preferences:

Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June after your enrolment at TAFE-Qld Brisbane is confirmed.

<u>Diploma of Laboratory Technology</u>

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive half a year (48 credit points) credit transfer and be able to complete the degree in 2.5 years as a full-time student (or equivalent part-time). More details will be provided in your QUT conditional offer letter.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence

online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

Physicists are involved in finding solutions to many current and future challenges facing our world. These include developing instruments for environmental monitoring, computer models for climate change prediction, and developing solar and renewable energy systems . Physicists are also attempting to address the world's ever-increasing appetite for information and information processing by undertaking research into quantum computers, nanotechnology, lasers and photonics.

Physics deals with the natural laws and processes, and the states and properties, of matter, energy, space and time. Physics also underlies many of the recent advances in information technology, medicine and biotechnology. Areas of specialisation include mechanics, electromagnetism, lasers and optics, medical physics, computational physics, nuclear and radiation physics, astronomy and astrophysics, thermodynamics, quantum mechanics and relativity.

Why choose this course?

QUT's physics course has a strong applied emphasis so you will spend a



Bachelor of Science (Physics)

significant amount of time in the undergraduate teaching laboratories. In each unit that you study the theory will be supported by experimental work. In your final year, you will undertake research and gain exposure to the research laboratories through the experimental physics unit.

You can also apply for a Vacation Research Experience Scholarship to gain experience working on a research project. Many of the lecturers at QUT have worked in industry and QUT works closely with industry through consultancy and research projects, so you can be sure that the course will be up to date and relevant to the real world.

Career outcomes

Physicists are an asset to almost any industry. Employment areas of QUT physics graduates are very wide ranging. These include research and development departments of large manufacturing companies, mining and exploration companies, research institutions such as the Commonwealth Scientific and Industrial Research Organisation and the Defence Science and Technology Organisation, government bodies such as the Bureau of Meteorology, environmental protection agencies and health departments, schools, universities and hospitals.

Broad training in data analysis and problem-solving skills also makes physicists well suited to management and consulting roles in a range of technology based industries.

Professional recognition

Graduates are eligible for membership of the Australian Institute of Physics, dependent on choice of study options.

Domestic Course structure

During your first year of study you'll get to sample a range of core science disciplines, allowing you to decide on your major later.

Faculty core units

These five units give you an introduction to the principles of science. The inquiry based experimental science units will give you the opportunity to learn by enquiry and become familiar with the methods of scientific inquiry.

From your very first semester, you will collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real-world problems from multiple scientific perspectives and learn the tools of the

trade. Depending on your choices, you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet.

Working with data you have collected, you'll study how to apply fundamental methods of scientific practice, perform scientific analysis, and learn the tools to present your findings. You'll have the opportunity to explore and discover the range of career and professional outcomes available to you, so you can gain the most from your unit selection and the flexibility the Bachelor of Science has to offer.

Primary major

Your major is your main area of study for what you aspire to become professionally. You will receive in-depth knowledge and expertise within your chosen scientific discipline, preparing you for entry into the workforce or further study. Your primary major comprises 11 units.

Complementary study areas

This is where you make the degree your own, tailoring your studies to further match your individual career goals with a wide range of complementary study options available. You'll have the opportunity to develop sought-after professional skills, deepen your understanding of your major discipline, pursue an interest from across the university, or broaden your scientific understanding. You can even work with industry or study overseas to gain credit towards your degree.

You can choose: a second major (eight units); or a minor (four units).

Second major (eight units)

Choose a second area of study to complement your major, and develop a significant depth of knowledge and skills in two discipline areas. Experience another field, learn another academic methodology and experience interdisciplinary networking.

Choose a second science discipline (biological sciences, chemistry, environmental science or physics), or explore different perspectives which might include:

- · computational and simulation science
- · innovation and entrepreneurship
- science communication, or
- · policy and governance.

Minor (four units)

You might prefer to expand the breadth and depth of your studies by adding to

your chosen science major with two minors. Minors include:

- Astrophysics
- Nanotechnology

Sample Structure **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Code Title Year 1, Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science SEB115 Experimental Science 1 SEB116 Experimental Science 2 Year 1, Semester 2 Introductory Calculus and MXB100 Algebra PVB101 Physics of the Very Large PVB102 Physics of the Very Small Core Unit Option Year 2, Semester 1 Mathematical Methods in PVB202 Physics PVB203 Experimental Physics 2nd major or minor unit 2nd major or minor unit Year 2, Semester 2 Computational and PVB200 Mathematical Physics PVB204 Electromagnetism 2nd major or minor unit 2nd major or minor unit Year 3, Semester 1 Materials and Thermal **PVB301** Physics **Classical and Quantum PVB302** Physics 2nd major or minor unit 2nd major or minor unit Year 3, Semester 2 PVB303 Nuclear and Particle Physics PVB304 Physics Research 2nd major or minor unit 2nd major or minor unit



Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Course Coordinator	Associate Professor Peter Prentis

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Biology (Units 3 & 4, B); and
- completion of Year 12 or attained age 18 years.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science, Physics, or Psychology (Units 3 & 4, C)
- Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence eearlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5

Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0



Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Biology (Units 3 & 4, B); and
- You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C).

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia. You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Subject prerequisites

- Biology (Units 3 & 4, B)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

The Biological Sciences Major consists of twenty (20) units [240cp]:

Biological Sciences Majors are also required to complete the following study area B components (Minors)

Statistical Modelling minor

and one minor (48 cp) from:

- Biotechnology and Genetics minor
- Wildlife Ecology Minor
- Advanced Science Minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).



Bachelor of Science Advanced (Honours) (Biological Sciences)

Code Title

The Biological Sciences Major consists of twenty (20) units [240cp]:

Biological Sciences Majors are also required to complete the following study area B components (Minors)

• Statistical Modelling minor

and one minor (48 cp) from:

- Biotechnology and Genetics minor
- Wildlife Ecology Minor
- Advanced Science Minor

Sample Structure

The Biological Sciences major in the Bachelor of Science Advanced (Honours) is structured to provide high-achieving students with a strong applied knowledge of biology, building on foundational knowledge obtained in high school. The major will extend understanding of the structure, function and diversity of living things, from cells to whole organisms, including key areas of plant and animal biology and microbiology and the interaction with each other and the environment. The Biological Sciences major is complemented and extended with a minor in either Biotechnology & Genetics or Wildlife Ecology or a minor specifically tailored to future research goals. Students will study units in their first semester which help them identify which area they wish to pursue. By integrating theory and practice and with a strong focus on experimental design, students will learn to apply key biological principles to important areas such as conservation, food security and biotechnology that will lead to research opportunities third and fourth year research units. All students in the major will have the opportunity to participate in research-based activities in these or other key areas of biology through the ST20 core units and through extracurricular activities. Graduates of the Biological Science major will be skilled at the desk, in the laboratory and in the field with strong skills in one of the areas closely aligned to research. They will have advanced research skills and critical thinking ability needed to tackle real-world problems in biology and undertake cutting edge research. These attributes will support high-achieving students in postgraduate study and a research career.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Year 1, S	emester 1
CVB103	Foundations of Chemistry
MXB100	Introductory Calculus and Algebra
BVB317	Principles of Genomics and Biotechnology
or	
BVB214	Vertebrate Life
Biology N	linor Unit 1
Year 1, S	emester 2
BVB201	Biological Processes
MXB107	Introduction to Statistical Modelling
STB100	Research Skills and Techniques
Biology M	linor Unit 2
Year 2, S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB203	Plant Biology
BVB301	Animal Biology
Biology N	1inor Unit 3
Year 2, S	emester 2
BVB204	Ecology
BVB313	Population Genetics and Molecular Ecology
MXB261	Modelling and Simulation Science
STB200	Advanced Research Skills and Techniques
Year 3, S	emester 1
BVB305	Microbiology and the Environment
MXB242	Regression and Design
STB310 -1	Science Research 1
Biologica	Sciences Major Unit Option 1
Year 3, S	emester 2
STR200	Advanced Science
STB300	Symposium
-2	Science Research 2
Biology Minor Unit 4	
Biologica	Sciences Major Unit Option 2
Year 4, S	emester 1
STB410	Advanced Techniques in Earth, Environmental and Biological Research
STH420 -1	Advanced Research 1
STH420 -2	Advanced Research 2
STH420	Advanced Research 3

STB411	Advanced Topics in Earth, Environmental and Biological Research
STH420 -4	Advanced Research 4
STH420 -5	Advanced Research 5
STH420 -6	Advanced Research 6



Year 4, Semester 2

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Chemistry (Units 3 & 4, B)

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C).

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Subject prerequisites

- Chemistry (Units 3 & 4, B)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

Study Area B requirements for a Chemistry Major are

Applied Mathematics minor

and one minor (48 cp) from:

- Analytical Chemistry extension minor
- Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

Study Area B requirements for a Chemistry Major are

Applied Mathematics minor

and one minor (48 cp) from:Analytical Chemistry extension



Bachelor of Science Advanced (Honours) (Chemistry)

minor

Advanced Science minor

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
 Chemistry Core Unit Options

Code	Title		
Year 1, Semester 1			
CVB103	Foundations of Chemistry		
Maths Minor unit			
Chemistry	y Major Option		
Core Unit	Option		
Year 1, S	emester 2		
CVB204	Organic Structure and Mechanisms		
STB100	Research Skills and Techniques		
Chemistr	y Minor Unit		
Maths Mi	nor unit		
Year 2, S	emester 1		
CVB201	Inorganic Chemistry		
CVB202	Analytical Chemistry		
CVB301	Organic Chemistry: Strategies for Synthesis		
Maths Mi	nor unit		
Year 2, S	emester 2		
CVB203	Physical Chemistry		
CVB303	Coordination Chemistry		
STB200	Advanced Research Skills and Techniques		
Chemistry	y Minor Unit		
Year 3, S	emester 1		
CVB302	Applied Physical Chemistry		
STB310 -1	Science Research 1		
Chemistr	y Minor Unit		
Chemistry	y Minor Unit		
Year 3, Semester 2			
STB300	Advanced Science Symposium		
STB310 -2	Science Research 2		
Maths Mi	nor unit		
Chemistry	y Major Option		
Year 4, S	emester 1		
STB412	Advanced Experimental Chemistry Techniques		
STH420	Advenced Decembra		

Advanced Research 1

-1

-2	Advanced Research 2
STH420 -3	Advanced Research 3
Year 4, S	emester 2
STB413	Frontiers of Chemistry
STH420 -4	Advanced Research 4
STH420 -5	Advanced Research 5
STH420 -6	Advanced Research 6
Chemietr	Core Unit Ontions
Chemisu	
Select 12	cp from:
Select 12 BVB214	cp from: Vertebrate Life
Select 12 BVB214 BVB317	cp from: Vertebrate Life Principles of Genomics and Biotechnology
Select 12 BVB214 BVB317 ERB201	cp from: Vertebrate Life Principles of Genomics and Biotechnology Destructive Earth: Natural Hazards
Select 12 BVB214 BVB317 ERB201 ERB202	cp from: Vertebrate Life Principles of Genomics and Biotechnology Destructive Earth: Natural Hazards Marine Geoscience
Select 12 BVB214 BVB317 ERB201 ERB202 ERB203	cp from: Vertebrate Life Principles of Genomics and Biotechnology Destructive Earth: Natural Hazards Marine Geoscience Sedimentary Geology and Stratigraphy
Select 12 BVB214 BVB317 ERB201 ERB202 ERB203 PVB103	cp from: Vertebrate Life Principles of Genomics and Biotechnology Destructive Earth: Natural Hazards Marine Geoscience Sedimentary Geology and Stratigraphy Foundations of Physics (Advanced)



Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B).
- Mathematical Methods (Units 3 & 4, C).

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C) in addition to prerequisite.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Applications in 2022

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Academic entry requirements

You must be a current student completing Year 12 in Australia. You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English

proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

The Earth Sciences Major consists of twenty (20) units [240cp]

Study Area B requirements for an Earth Sciences Major are:

Applied Mathematics Minor or

Statistical Modelling Minor

and one minor (48 cp) from

Geology extension minor or

Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100,



Bachelor of Science Advanced (Honours) (Earth Science)

STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

The Earth Sciences Major consists of twenty (20) units [240cp]

Study Area B requirements for an Earth Sciences Major are:

Applied Mathematics Minor or

Statistical Modelling Minor

and one minor (48 cp) from

Geology extension minor or

Advanced Science minor

Sample Structure

Earth Science is critical for Australia's future sustainable development as our natural resources are a major building block of the nation's economy. Geoscientists play a leading role in finding, developing and managing these resources, as well as studying climate change and managing environmental issues, such as chronic water shortage, dry land salinity and coastal development.

An understanding of Planet Earth is fundamental to your career as a Scientist. Earth Science provides us with an understanding of Earth materials, the natural processes acting in and upon our planet, and its history. You will gain advanced skills needed to become a professional Earth Scientist with special emphasis on hands-on skills acquired through laboratory work and field studies for both resource exploration and management and environmental applications. The program provides you with particular strengths in the areas of sedimentary geology, structural geology, igneous processes and geology, hydrogeology, marine geology, and environmental geology - all these subject areas are of particular importance to Queensland and key industrial sectors that underpin our economy. The Earth Science major in the Bachelor of Science Advanced (Honours) will qualify you with an advanced and coherent knowledge in Earth Science.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1

• Year 4, Semester 2

Code	Title	
Year 1, S	emester 1	
CVB103	Foundations of Chemistry	
ERB202	Marine Geoscience	
ERB205	Earth Materials	
Maths Mi	nor Unit 1	
Year 1, S	emester 2	
EBB203	Sedimentary Geology and	
LIND203	Stratigraphy	
ERB204	Deforming Earth: Fundamentals of Structural Geology	
ERB206	Petrology	
STB100	Research Skills and Techniques	
Year 2, S	emester 1	
ERB201	Destructive Earth: Natural Hazards	
ERB301	Chemical Earth	
ERB302	Applied Geophysics	
Maths Mi	nor Unit 2	
Year 2, S	emester 2	
ERB303	Energy Resources and Basin Analysis	
ERB306	Earth's Mineral Resources	
STB200	Advanced Research Skills and Techniques	
Maths Mi	nor Unit 3	
Year 3, S	emester 1	
ERB305	Geological Field Methods	
STB310 -1	Science Research 1	
Earth Sci	ence Major Unit Option 1	
Maths Mi	nor Unit 4	
Year 3, S	emester 2	
ERB304	Dynamic Earth: Plate Tectonics	
STB300	Advanced Science Symposium	
STB310 -2	Science Research 2	
Earth Science Major Unit Option 2		
Year 4, S	emester 1	
STB410	Advanced Techniques in Earth, Environmental and Biological Research	
STH420 -1	Advanced Research 1	
STH420 -2	Advanced Research 2	
STH420 -3	Advanced Research 3	
Year 4, S	emester 2	
	Advanced Topics in Earth,	
STB411	Environmental and Biological	

	Research
STH420 -4	Advanced Research 4
STH420 -5	Advanced Research 5
STH420	Advanced Research 6

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Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B).
- Mathematical Methods (Units 3 & 4, C).

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C) in addition to prerequisite.

Adjustments to your ATAR/selection rank

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Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Applications in 2022

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If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia. You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

Study Area B requirements for an Environmental Science Major are:

Statistical Modelling minor

And one minor (48 cp from)

- Environmental Management Minor
- Advanced Science Minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

Study Area B requirements for an



Bachelor of Science Advanced (Honours) (Environmental Science)

Environmental Science Major are:

• Statistical Modelling minor

And one minor (48 cp from)

- Environmental Management Minor
- Advanced Science Minor

Sample Structure

The Environmental Science major in the Bachelor of Science Advanced (Honours) will qualify students with an advanced and coherent knowledge of environmental processes and systems. The study of Environmental Science provides an in depth knowledge of the Earth's natural resources and an understanding of the mechanisms, natural processes and human impacts that shape environmental systems. Environmental Scientists play an integral role in managing Australia's future sustainable development, environment impacts and resource management while minimising impacts and degradation.

Within this major students will gain the skills required to pursue a career as a professional environmental scientist, science educator or resource manager. This will be achieved with an emphasis on developing theoretical understanding of environmental processes and systems together with hands-on skill development and hypothesis testing through practical and field studies. The major will provide students with particular strengths in the areas of land resources, environmental impacts, geographic information systems and field mapping, systems modelling and environmental management.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code Title Year 1, Semester 1 CVB103 Foundations of Chemistry Destructive Earth: Natural **ERB201** Hazards **Geospatial Information** EVB203 Science Introductory Calculus and **MXB100** Algebra Year 1, Semester 2 **Environmental Resource** EGB383 Management **ERB101** Earth Systems Research Skills and **STB100**

	lechniques
Statistical	Modelling Minor Unit 2
Year 2, S	emester 1
BVB202	Experimental Design and Quantitative Methods
EGB274	Environmentally Sustainable Design
EVB312	Soils and the Environment
Statistical	Modelling Minor Unit 3
Year 2, S	emester 2
BVB204	Ecology
EVB302	Environmental Pollution
STB200	Advanced Research Skills and Techniques
Statistical	Modelling Minor Unit 4
Year 3, S	emester 1
BVB311	Conservation Biology
PQB360	Introduction to Climate Change
STB310 -1	Science Research 1
Environm Option 1	ental Science Major Unit
Year 3, S	emester 2
ERB310	Groundwater Systems
STB300	Advanced Science Symposium
STB310 -2	Science Research 2
Environm Option 2	ental Science Major Unit
Year 4, S	emester 1
STB410	Advanced Techniques in Earth, Environmental and Biological Research
STH420 -1	Advanced Research 1
STH420 -2	Advanced Research 2
STH420 -3	Advanced Research 3
Year 4, S	emester 2
STB411	Advanced Topics in Earth, Environmental and Biological Research
STH420 -4	Advenced Decembra
	Advanced Research 4
STH420 -5	Advanced Research 4



Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Physics (Units 3 & 4, B)

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, or Marine Science (Units 3 & 4, C).

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
- Physics (Units 3 & 4, B)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) Physics units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

Physics Majors are also required to complete the following study area B components (Minors)

• Mathematics for Physics minor

and one minor (48 cps) from:

- Astrophysics Minor
- Nanotechnology Minor
- Advanced Science minor
- International Course

structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) Physics units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

Physics Majors are also required to complete the following study area B components (Minors)

• Mathematics for Physics minor



Bachelor of Science Advanced (Honours) (Physics)

and one minor (48 cps) from:

- Astrophysics Minor
- Nanotechnology Minor
- Advanced Science minor

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2

- Year 2, Semester 2
 Year 2, Semester 2
 Year 3, Semester 2
- Year 3, Semester 2
 Year 4, Semester 1
 Year 4, Semester 2

Code	litle
Year 1, S	emester 1
CVB103	Foundations of Chemistry
Maths Mi	nor Unit (MXB100 or MXB322)
PVB103	Foundations of Physics (Advanced)
PVB104	Optics
Year 1, S	emester 2
Maths Mi	nor Unit (MXB103)
Maths Mi	nor Unit (PVB200)
STB100	Research Skills and Techniques
Physics N	/inor Unit
Year 2, S	emester 1
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
PVB301	Materials and Thermal Physics
Physics N	/inor Unit
Year 2, S	emester 2
PVB204	Electromagnetism
STB200	Advanced Research Skills and Techniques
Physics N	/linor Unit
Physics N	/linor Unit
Year 3, S	emester 1
Maths Mi	nor Unit (MXB201)
PVB302	Classical and Quantum Physics
STB310 -1	Science Research 1
Physics N	lajor Unit Option
Year 3, S	emester 2
STB300	Advanced Science Symposium
STB310 -2	Science Research 2
PVB303	Nuclear and Particle Physics
Physics N	Aajor Unit Option
Year 4, <u>S</u>	emester 1
STB414	Advanced Quantum Mechanics

STH420 -1	Advanced Research 1	
STH420 -2	Advanced Research 2	
STH420 -3	Advanced Research 3	
Year 4, Semester 2		
STB415	Solid State Physics and Nanomaterials	
STH420 -4	Advanced Research 4	
STH420 -5	Advanced Research 5	
STH420 -6	Advanced Research 6	
Course Notes		



Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askgut@gut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria. Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0



Bachelor of Science (Biological Sciences)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Biological Sciences) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Biological Sciences) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1 Semester 2
- Year 1 Summer
- Year 2, Semester 1
- Year 2, Semester 2
 Year 2, Summer 2 (EU50 Master of
- Teaching (Secondary))
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4 Semester 1
- Year 4 Semester 1
- Teal 4 Semester 2

Code Title Year 1, Semester 1 Quantitative Methods in **SEB113** Science SEB115 Experimental Science 1 SEB116 Experimental Science 2 CZB190 Chemistry for Health Sciences Year 1 Semester 2 Introductory Calculus and **MXB100** Algebra BVB101 Foundations of Biology **BVB102** Evolution Science Option Unit Year 1 Summer SEB104 Grand Challenges in Science Year 2, Semester 1 Experimental Design and **BVB202 Quantitative Methods** BVB203 Plant Biology BVB301 Animal Biology Science Option Unit Year 2, Semester 2 **BVB201** Biological Processes BVB204 Ecology Population Genetics and **BVB313** Molecular Ecology Science Option Unit Year 2, Summer 2 (EU50 Master of Teaching (Secondary)) Supporting Innovative EUN101 Pedagogy with Digital Technologies EUN102 Child and Adolescent

	· ·
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, S	emester 1
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
BVB305	Microbiology and the Environment
Biology a Research	nd Environmental Science
Year 3, S	emester 2
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designate days prof requires a	ed Unit: EUN130. Contains 15 essional experience and a blue card
Year 4 Se	emester 1
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN222	Curriculum and Pedagogy 5: Senior B
EUN231 -2	Professional Experience: Transition to Professional Practice
EUN231 -2 Designate days prof	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and
EUN231 -2 Designate days prof requires a	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card
EUN231 -2 Designate days prof requires a Year 4 Se EUN223	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project
EUN231 -2 Designate days prof requires a Year 4 Se EUN223 EUN223	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice
EUN231 -2 Designate days prof requires a Year 4 Se EUN223 EUN223 Designate days prof	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and
EUN231 -2 Designate days prof requires a Year 4 Se EUN223 EUN223 EUN232 Designate days prof requires a	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in
EUN231 -2 Designate days prof requires a Year 4 Se EUN223 EUN223 EUN232 Designate days prof requires a your final EUN240	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching
EUN231 -2 Designate days prof requires a Year 4 Se EUN223 EUN223 Designate days prof requires a your final EUN240	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card constant of the state of the state of the state constant of the state of t
EUN231 -2 Designate days prof requires a Year 4 Se EUN223 EUN223 Designate days prof requires a your final EUN240 Designate Capstone be taken Completid assumed card.	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice ed Unit: EUN240. EUN240 is a e unit with Conference and must in your final semester of study. on of all units in your course is knowledge. It requires a blue

OR

MXN600 Advanced Statistical Data Analysis

the university

for the real world

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askgut@gut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria. Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0



Bachelor of Science (Chemistry)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Chemistry) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Chemistry) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1 Semester 2
- Year 1 Summer Semester
- Year 2, Semester 1 ٠
- Year 2, Semester 2
- Year 2, Summer (EU50 Master of ٠ Teaching (Secondary))
- Year 3, Semester 1 ٠
- Year 3, Semester 2 Year 4, Semester 1 •
- •
- Year 4, Semester 2 •

Code	Title	
Year 1, S	emester 1	
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1 Se	emester 2	
SEB113	Quantitative Methods in Science	
MXB100	Introductory Calculus and Algebra	
CVB203	Physical Chemistry	
Science (Option Unit	
Year 1 Su	ummer Semester	
SEB104	Grand Challenges in Science	
Year 2, S	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
Maths Option Unit		
Science Option Unit		
Year 2, S	emester 2	
CVB204	Organic Structure and Mechanisms	
CVB302	Applied Physical Chemistry	
CVB303	Coordination Chemistry	
Science Option Unit		
Year 2, S	ummer (EU50 Master of	
Teaching	(Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies	
EUN102	Child and Adolescent	

EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, S	emester 1
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
CVB301	Organic Chemistry: Strategies for Synthesis
CVB304	Chemistry Research Project
Year 3, S	emester 2
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designate days prof requires a	ed Unit: EUN130. Contains 15 essional experience and a blue card
Year 4, S	emester 1
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN221 EUN222	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B
EUN221 EUN222 EUN231 -2	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice
EUN221 EUN222 EUN231 -2 Designate days prof requires a	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card
EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2
EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project
EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice
EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN232 Designate days prof requires a your final	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study.
EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223 Designate days prof requires a your final EUN240	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice

Development

MXN501 Stochastic Modelling OR

Advanced Statistical Data MXN600 Analysis



Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askgut@gut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

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Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria. Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0



Bachelor of Science (Earth Science)/Master of Teaching (Secondary)

Technologiag

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Earth Science) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Earth Science) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1 Semester 2
- Year 1 Summer Semester
- Year 2, Semester 1 ٠ Year 2, Semester 2
- Year 2, Summer 2 (EU50 Master of ٠ Teaching (Secondary))
- Year 3, Semester 1 ٠
- •
- Year 3, Semester 2 Year 4, Semester 1 •
- Year 4, Semester 2

Code	Title		
Year 1, S	emester 1		
SEB113	Quantitative Methods in Science		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
ERB201	Destructive Earth: Natural Hazards		
Year 1 Se	emester 2		
MXB100	Introductory Calculus and Algebra		
ERB101	Earth Systems		
ERB102	Evolving Earth		
Science (Science Option Unit		
Year 1 St	ummer Semester		
SEB104	Grand Challenges in Science		
Year 2, S	emester 1		
ERB202	Marine Geoscience		
ERB301	Chemical Earth		
ERB205	Earth Materials		
Maths Option Unit			
Year 2, S	emester 2		
ERB203	Sedimentary Geology and Stratigraphy		
ERB204	Deforming Earth: Fundamentals of Structural Geology		
ERB206	Petrology		
Science (Option Unit		
Year 2, S Teaching	ummer 2 (EU50 Master of (Secondary))		
FUN101	Supporting Innovative		

	1 connoiogioo	
EUN102	Child and Adolescent	
EUN103	Teaching EAL/D Learners	
LONIOS	Culture Studies: Indigenous	
EUN104	Education	
Year 3, S	emester 1	
EUN105	Teaching in New Times	
FUNKOO	Curriculum and Pedagogy 1:	
EUNIZU	Foundations	
ERB302	Applied Geophysics	
ERB305	Geological Field Methods	
Year 3, S	emester 2	
EUN109	Inclusive Teaching for Diverse Learners	
EUN110	Teachers as Leaders and Entrepreneurial Thinkers	
EUN121	Curriculum and Pedagogy 2: Planning	
EUN122	Curriculum and Pedagogy 3: Assessment	
EUN130	Professional Experience: Introduction to Professional Practice	
Designate days prof requires a	ed Unit: EUN130. Contains 15 essional experience and a blue card	
Year 4, S	emester 1	
	Understanding Adolescent	
EUNZTI	Learners	
EUN211 EUN221	Learners Curriculum and Pedagogy 4: Senior A	
EUN211 EUN221 EUN222	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B	
EUN221 EUN222 EUN222 EUN231 -2	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice	
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EUN221 EUN222 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project	
EUN211 EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice	
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EUN211 EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223 Designate days prof requires a your final EUN240	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice	
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OR

Advanced Statistical Data **MXN600**



Analysis

SIL the university for the real world

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askgut@gut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria. Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	7.5	
Listening	8.0	
Reading	7.0	
Writing	7.0	
Speaking 8.0		



Bachelor of Science (Environmental Science)/Master of Teaching (Secondary)

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Domestic Course structure This course is a vertical double degree, combining ST01 Bachelor of Science

(Environmental Science) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Environmental Science) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 1 Summer Semester
- Year 2, Semester 1 ٠ Year 2, Semester 2
- Year 2, Summer 2 (EU50 Master of ٠ Teaching (Secondary))
- Year 3, Semester 1 ٠
- •
- Year 3, Semester 2 Year 4, Semester 1 •
- Year 4, Semester 2

Code	Title	
Year 1, Semester 1		
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
CZB190	Chemistry for Health Sciences	
Year 1, S	emester 2	
MXB100	Introductory Calculus and Algebra	
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Science (Option Unit	
Year 1 Su	ummer Semester	
SEB104	Grand Challenges in Science	
Year 2, S	emester 1	
EVB312	Soils and the Environment	
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Science Option Unit		
Year 2, S	emester 2	
ERB310	Groundwater Systems	
BVB204	Ecology	
EVB302	Environmental Pollution	
Science Option Unit		
Year 2, S Teaching	ummer 2 (EU50 Master of (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies	

EUN102	Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, S	emester 1
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
BVB311	Conservation Biology
Biology a Research	nd Environmental Science
Year 3, S	emester 2
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designate	ed Unit: EUN130. Contains 15
days prof requires a	essional experience and a blue card
Year 4, S	emester 1
EUN211	Understanding Adolescent
	Learners
EUN221	Learners Curriculum and Pedagogy 4: Senior A
EUN221 EUN222	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B
EUN221 EUN222 EUN222 EUN231 -2	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice
EUN221 EUN222 EUN231 -2 Designate days prof requires a	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card
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EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice
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EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223 Designate days prof requires a your final	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study.
EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223 EUN232 Designate days prof requires a your final EUN240	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice
EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223 Designate days prof requires a your final EUN240 Designate	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice ed Unit: EUN240. EUN240 is a
EUN221 EUN222 EUN222 EUN231 -2 Designate days prof requires a EUN223 EUN223 EUN223 Designate days prof requires a your final EUN240 Designate Capstone	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice ed Unit: EUN240. EUN240 is a unit with Conference and must
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OR

Advanced Statistical Data **MXN600**

Analysis

SIL the university

for the real world

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askgut@gut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria. Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	7.5	
Listening	8.0	
Reading	7.0	
Writing	7.0	
Speaking 8.0		



Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Physics) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Physics) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1 Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 2, Summer 2 (EU50 Master of • Teaching (Secondary))
- Year 3, Semester 1 .
- Year 3, Semester 2 ٠
- Year 4, Semester 1 Year 4, Semester 2 •
- ٠

Code	litle	
Year 1, S	emester 1	
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
SEB104	Grand Challenges in Science	
Year 1 Se	emester 2	
MXB100	Introductory Calculus and Algebra	
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	
Science (Option Unit	
Year 2, S	emester 1	
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
Science (Option Unit	
Science (Option Unit	
Year 2, S	emester 2	
PVB200	Computational and Mathematical Physics	
PVB204	Electromagnetism	
Science Option Unit		
Science (Option Unit	
Year 2, S	ummer 2 (EU50 Master of	
Teaching	(Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies	
EUN102	Child and Adolescent Development	
EUN103	Teaching EAL/D Learners	
EUN104	Culture Studies: Indigenous	

	Education	
PVB304	Physics Research	
Year 3, S	emester 1	
EUN105	Teaching in New Times	
EUN120	Curriculum and Pedagogy 1: Foundations	
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 3, S	emester 2	
	Inclusive Teaching for Diverse	
EUN109	Learners	
EUN110	Entrepreneurial Thinkers	
EUN121	Curriculum and Pedagogy 2: Planning	
EUN122	Curriculum and Pedagogy 3: Assessment	
EUN130	Professional Experience: Introduction to Professional Practice	
Designate	ed Unit: EUN130. Contains 15	
days profe	essional experience and	
requires a	a blue card	
Year 4, S	emester 1	
EUN211	Understanding Adolescent Learners	
EUN221	Curriculum and Pedagogy 4: Senior A	
EUN222	Curriculum and Pedagogy 5: Senior B	
EUN231 -2	Professional Experience: Transition to Professional Practice	
Designate	ed Unit: EUN231. Contains 20	
days profe	essional experience and	
requires a		
Year 4, S	emester 2	
EUN223	Curriculum and Pedagogy 6: Learning Project	
EUN232	Professional Experience: Transition to Professional Practice	
Designate	ed Unit: EUN232. Contains 25	
days professional experience and		
requires a blue card. Must be taken in		
your final	semester of study.	
EUN240	Teachers Researching Practice	
Designate	ed Unit: EUN240. EUN240 is a	
Capstone	unit with Conference and must	
De taken i	in your final semester of study.	
assumed knowledge. It requires a blue		
assumed	knowledge. It requires a nille	
assumed card.	knowledge. It requires a blue	



Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Course Coordinator	

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

Course requirements: Literacy and numeracy

You will need to successfully complete the National Literacy and Numeracy Test for Initial Teacher Education Students to graduate from the course. You are permitted three test attempts in total for each component as a student at QUT. If you fail three test attempts for each component, you will not be able to graduate. You are not eligible to apply for a place in the course if you have failed two test attempts for one or more components, at another institution. The test will assess your personal literacy and numeracy skills. QUT provides you with one reimbursement to cover the cost of the test. For more information view additional course requirements.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	7.5	
Listening	8.0	
Reading	7.5	
Writing	7.5	
Speaking	8.0	

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science with EU50 Master of Teaching (Secondary). Course structure will be available soon.

International Course structure

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for the real world

This course is a vertical double degree, combining ST01 Bachelor of Science with EU50 Master of Teaching (Secondary). Course structure will be available soon.



Year	2021
QUT code	ID03
CRICOS	059227E
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$8,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,100 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dean Brough (Creative Industries); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Wayne Kelly (Computer Science), Dr Erwin Fielt (Information Systems) +61 7 3138 2000 askout@gut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure Your course

In order to complete this course, you must complete a total of 384 credit points comprising 192 credit points from the Bachelor of Creative Industries and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Creative Industries component

The core of the program centres on Creative Enterprise studios that offer authentic, problem-based activities, coupled with work integrated learning, skills in entrepreneurship and commercial links that engage in creative start-ups. Early in your degree, you choose 24 credit points of introductory units to experience your preferred majors, with the option to undertake defined breadth units in other relevant areas. Using this experience, you then decide upon a creative industries major.

You will complete:

- core units 72 credit points
- creative industries introductory units
 24 credit points
- a creative industries major 96 credit points from one of the specified majors including: Creative and Professional Writing; Media and Communication; Drama and Performance; Entertainment; Fashion Communication; Interactive and Visual Design; Music and Sound; and Screen Content Production.

Information Technology

component

You will complete:

- six core units (72 credit points: 48cp + 24cp core options)
- 10 major core units (120 credit points).

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

Your course

In order to complete this course, you must complete a total of 384 credit points comprising 192 credit points from the Bachelor of Creative Industries and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

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Bachelor of Creative Industries/Bachelor of Information Technology

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- creative industries introductory units - 24 credit points
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Information Technology

component

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Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 1
- Year 4, Semester 1
- Year 4, Semester 2

Code Title

rear i, Semester i		
IT Core Unit		
IT Core Unit		
KKB180 Creative Futures		
A unit from the Creative Industries Introductory Unit Options List		
Year 1, Semester 2		
IT Core Unit		
IT Core Unit		
KKB185	Creative Enterprise Studio 1	
A unit from the Creative Industries		

Introducto	ory Unit Options List
Note: Stu overseas apply by ´	dents considering studying in Year 2 Semester 2 must 1 November.
Year 2, S	emester 1
IT Core U	nit Option
IT Core U	nit Option
Creative I	ndustries Major: First Unit
Creative I	ndustries Major: Second Unit
Year 2, S	emester 2
IT Major l	Jnit
IT Major l	Jnit
Creative I	ndustries Major: Third Unit
Creative I	ndustries Major: Fourth Unit
Year 3, S	emester 1
IT Major l	Jnit
IT Major l	Jnit
Creative I	ndustries Major: Fifth Unit
Creative I	ndustries Major: Sixth Unit
Year 3, S	emester 2
IT Major l	Jnit
IT Major l	Jnit
KKB285	Creative Enterprise Studio 2
Creative I	ndustries Major: Seventh Unit
Year 4, S	emester 1
IT Major l	Jnit
IT Major l	Jnit
Creative I	ndustries Major: Eighth Unit
A unit fror Unit Optic	n the Creative Industries WIL
KKB341	Work Integrated Learning 1
KKB380	Creative Enterprise and Entrepreneurship
KKB380 Year 4, S	Creative Enterprise and Entrepreneurship emester 2
KKB380 Year 4, S IT Major l	Creative Enterprise and Entrepreneurship emester 2 Jnit

KKB385 Creative Enterprise Studio 3

Semesters

- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
 Year 3, Semester 2
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code Title

Year 1, Semester 2

IT Core Unit

IT Core Unit

KKB185 Creative Enterprise Studio 1

A unit from the Creative Industries

Introductory Unit Options List

Year 2, Semester 1

IT Core Unit

apply by 1 June. Year 2, Semester 2 IT Core Unit Option IT Core Unit Option Creative Industries Major: First Unit Creative Industries Major: Second Unit Year 3, Semester 1 IT Major Unit IT Major Unit Creative Industries Major: Third Unit Creative Industries Major: Fourth Unit Year 3, Semester 2 IT Major Unit IT Major Unit KKB285 Creative Enterprise Studio 2 Creative Industries Major: Fifth Unit Year 4, Semester 1 IT Major Unit IT Major Unit Creative Industries Major: Sixth Unit Creative Industries Major: Seventh Unit Year 4, Semester 2 IT Major Unit **IT Major Unit** KKB385 Creative Enterprise Studio 3 Year 5, Semester 1 IT Major Unit IT Major Unit Creative Industries Major: Eighth Unit A unit from the Creative Industries WIL Unit Options List: KKB341 Work Integrated Learning 1 Creative Enterprise and **KKB380** Entrepreneurship **Semesters** Semester 1 (February) commencements Year 1, Semester 1 Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2 • Year 4, Semester 1 Year 4, Semester 2

IT Core Unit

KKB180 Creative Futures

Introductory Unit Options List

A unit from the Creative Industries

Note: Students considering studying

overseas in Year 3 Semester 1 must

- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1

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This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?course?code=ID03&id=36772. CRICOS No.00213J

Bachelor of Creative Industries/Bache

- Year 4, Semester 2
 Year 5, Semester 1

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
IT Core U	Init Option
IT Core L	Init Option
Year 2 S	emester 2
CAB201	Programming Principles
0, (0201	Microprocessors and Digital
CAB202	Systems
Year 3, S	emester 1
CAB203	Discrete Structures
CAB302	Software Development
Year 3. S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4 S	emester 1
CAB301	Algorithms and Complexity
IEB308	Capstone Project (Phase 1)
Vear 4 S	emester 2
IEB300	Canstone Project (Phase 2)
11 0000	
Select on	e of:
Select on CAB401	e of: High Performance and Parallel Computing
Select on CAB401 CAB402	e of: High Performance and Parallel Computing Programming Paradigms
Select on CAB401 CAB402 CAB403	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming
Select on CAB401 CAB402 CAB403 CAB420	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning
Select on CAB401 CAB402 CAB403 CAB420 Semester	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning • 2 (July) commencements emester 2
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systeme
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201 IT Core L	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles Init Option
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201 IT Core L Year 3, S	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning *2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles Init Option emester 1
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201 IT Core L Year 3, S CAB202	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles Init Option emester 1 Microprocessors and Digital Systems
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201 IT Core L Year 3, S CAB202 CAB301	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201 IT Core L Year 3, S CAB202 CAB301 Year 3, S	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning *2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201 IT Core L Year 3, S CAB301 Year 3, S CAB303	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201 IT Core L Year 3, S CAB202 CAB301 Year 3, S CAB303 IFB295	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks IT Project Management

CAB203	Discrete Structures
CAB302	Software Development
Year 4, S	emester 2
IFB398	Capstone Project (Phase 1)
Select ON	NE of:
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Co	re Unit Option
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2)
Select ON	NE of:
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Co	re Unit Option
(Select IT selected	Core Unit Option here, if not previously.)
Semeste Sem Sem Com Yeau	ester 1 (February) mencements 1, Semester 1 1, Semester 2 2, Semester 1 2, Semester 2 3, Semester 2 4, Semester 1 1, Semester 2 ester 2 (July) commencements 1, Semester 2 2, Semester 1 1, Semester 2 3, Semester 1 1, Semester 2 1, Semester 1 1, Semester 2 1, Semester 2 1, Semester 1 1, Semester 2 1, Semester 2 1, Semester 1 1, Semester 2 1, S
Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
IT Core U	nit Option
IT Core U	nit Option
Year 2, S	emester 2
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, S	emester 1
IAB203	Business Process Modelling
	Business Requirements

	Year 3. S	Semester 2
		Information Systems Lifecycle
	IAB305	Management
	IFB295	IT Project Management
	Year 4, S	Semester 1
	IFB398	Capstone Project (Phase 1)
	Select on	e of:
	IAB206	Modern Data Management
	IAB200	Social Technologies
	IAB303	Insight
		Business Process
	IAB320	Improvement
	IAB402	Information Systems
	Veen 4 C	Consulting
	Year 4, 5	Enterprise Architecture
	IEB300	Canstone Project (Phase 2)
	Semester	r 2 (July) commencements
	Year 1. S	Semester 2
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Introduction to Computer
	IFB102	Systems
	IFB103	IT Systems Design
	Year 2, S	Semester 1
	IFB104	Building IT Systems
	IFB105	Database Management
nts	Year 2, S	emester 2
	IAB201	Modelling Techniques for
	IT Core I	Init Option
	Year 3. S	Semester 1
		Business Requirements
	IAB204	Analysis
	IAB207	Rapid Web Application
	Voor 0 - 0	
nts	Year 3, S	Information Systems Lifesysle
	IAB305	Management
	IT Core L	Jnit Option
	Year 4, S	Semester 1
	IAB203	Business Process Modelling
	IFB295	IT Project Management
	Year 4, S	emester 2
	IAB401	Enterprise Architecture
	IFB398	Capstone Project (Phase 1)
	Year 5, S	emester 1
	IFB399	Capstone Project (Phase 2)
		NE UI: Modorn Data Managamant
	IAD200	
		Data Analytics for Rusiness
	IAB303	Insight
J	IAB320	Business Process Improvement
	IAB402	Information Systems
t for	the u	niversity eal world

IAB204

Analysis

Consulting

Year	2021
QUT code	ID10
CRICOS	096583M
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$12,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,000 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Communication; Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Elija Cassidy (Digital Media); Dr Wayne Kelly (Computer Science), Dr Erwin Fielt (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Prerequisites

Satisfactory completion of Year 12 in an Australian school system or equivalent.

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Digital Media) and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) in digital media.

Information technology component

You will complete:

- six core units (72 credit points)
- ten major core units (120 credit points) from either the information systems or computer science major.

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

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component

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Sample Structure

Semesters

- <u>Semester 1 (February)</u>
 <u>commencements</u>
- Year 1, Semester 1
 Year 1, Semester 2
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 1
 Year 3, Semester 2
- Year 4, Semester 1



Bachelor of Communication (Digital Media)/Bachelor of Information Technology

- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 ٠
- ٠ Year 3, Semester 1
- Year 3, Semester 2 .
- •
- Year 4, Semester 1 Year 4, Semester 2 .
- Year 5, Semester 1

Code Title Semester 1 (February) commencements Year 1, Semester 1 Introduction to CYB101 Communication Introduction to Media and CYB102 **Entertainment Industries** IT Core Unit IT Core Unit Year 1, Semester 2 Communication Theory and **CYB103** Practice CYB104 Managing Social Media IT Core Unit

IT Core Unit Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1 CCB101 Media Issues and Debates CYB105 Understanding Audiences IT Core Unit IT Core Unit Year 2, Semester 2 CCB102 Multi-Media Design Global Media and **CYB106 Entertainment Industries** IT Major Unit IT Major Unit Year 3, Semester 1 CCB200 Digital Platforms CCB202 Social Media, Self and Society IT Major Unit IT Major Unit Year 3, Semester 2 CCB201 Australian Media Communication Planning and **CCB204** Practice IT Major Unit

IT Major Unit Year 4. Semester 1

, . , . , . ,	
CCB301	Communication Research Methods
One unit	from the Work Integrated
Learning Unit Options List (KKB341 or	
KKB350):	

KKB341 Work Integrated Learning 1

KKB350	Creative Industries Study Tour
IT Major I	Unit
IT Major	Unit
Year 4, S	emester 2
CCB302	Digital Media Analytics
CCB303	Digital Media Project
IT Major I	Unit
IT Major I	Unit
Semester	r 2 (July) commencements
Year 1, S	emester 2
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
IT Core L	Jnit
IT Core L	Jnit
Year 2, S	emester 1
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
IT Core L	Jnit
IT Core L	Jnit
Note: Stu	dents considering studying
overseas	In Year 3 Semester 1 must
appiy by	r Julie.
	Multi Modia Dosign
CCD 102	Global Madia and
CYB106	Entertainment Industries
II Core L	
Year 3, S	emester 1
CCB101	Media Issues and Debates
CYB105	Understanding Audiences
I Major	Unit
I 「Major 「	Unit
Year 3, S	emester 2
CCB201	Australian Media
CCB204	Communication Planning and Practice
IT Major	Unit
IT Major I	Unit
Year 4, S	emester 1
CCB200	Digital Platforms
CCB202	Social Media, Self and Society
IT Major	Unit
IT Major I	Unit
Year 4, S	emester 2
CCB302	Digital Media Analytics
CCB303	Digital Media Project
IT Major	Unit
IT Major I	Unit
Year 5, S	emester 1
CCB301	Communication Research
LUC DOUL	

Semesters

- <u>Semester 1 (February)</u> commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2 Year 5, Semester 1

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
IT Core L	Init Option
IT Core L	Init Option
Year 2, S	emester 2
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, S	emester 1
CAB203	Discrete Structures
CAB302	Software Development
Year 3, S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	emester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, S	emester 2
IFB399	Capstone Project (Phase 2)
Select on	e of:
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms



Bachelor of Communication (Digital Media)/Bachelor of Information Technology

CAB403	Systems Programming
CAB420	Machine Learning
Semester	2 (July) commencements
Year 1, S	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, S	emester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 2
CAB201	Programming Principles
IT Core U	Init Option
Year 3, S	emester 1
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 3, S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	emester 1
CAB203	Discrete Structures
CAB302	Software Development
Year 4, S	emester 2
IFB398	Capstone Project (Phase 1)
Select ON	NE of:
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Co	re Unit Option
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2)
Select ON	NE of:
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Co	re Unit Option
(Select IT selected	Core Unit Option here, if not previously.)

Semesters

- Semester 1 (February)
- commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- ٠ Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2 ٠
- ٠
- Year 4, Semester 1 •
- Year 4, Semester 2 •
- Year 5, Semester 1

Code	Title		
Semester	1 (February) commencements		
Year 1, S	emester 1		
IFB102	Introduction to Computer Systems		
IFB103	IT Systems Design		
Year 1, S	emester 2		
IFB104	Building IT Systems		
IFB105	Database Management		
Year 2, S	emester 1		
IT Core U	Init Option		
IT Core U	Init Option		
Year 2, S	emester 2		
IAB201	Modelling Techniques for Information Systems		
IAB207	Rapid Web Application Development		
Year 3, S	emester 1		
IAB203	Business Process Modelling		
IAB204	Business Requirements Analysis		
Year 3, S	emester 2		
IAB305	Information Systems Lifecycle Management		
IFB295	IT Project Management		
Voor / C			
rear 4, S	emester 1		
IFB398	Capstone Project (Phase 1)		
IFB398 Select on	emester 1 Capstone Project (Phase 1) e of:		
IFB398 Select on IAB206	Capstone Project (Phase 1) e of: Modern Data Management		
IFB398 Select on IAB206 IAB260	Capstone Project (Phase 1) e of: Modern Data Management Social Technologies		
IFB398 Select on IAB206 IAB260 IAB303	emester 1 Capstone Project (Phase 1) e of: Modern Data Management Social Technologies Data Analytics for Business Insight		
IFB398 Select on IAB206 IAB260 IAB303 IAB320	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovement		
IFB398 Select on IAB206 IAB260 IAB303 IAB320 IAB402	emester 1 Capstone Project (Phase 1) e of: Modern Data Management Social Technologies Data Analytics for Business Insight Business Process Improvement Information Systems Consulting		
IFB398 Select on IAB206 IAB260 IAB303 IAB320 IAB402 Year 4, S	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovementInformation SystemsConsultingemester 2		
IFB398 Select on IAB206 IAB260 IAB303 IAB303 IAB402 Year 4, S IAB401	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovementInformation SystemsConsultingemester 2Enterprise Architecture		
IFEar 4, S IFB398 Select on IAB206 IAB260 IAB303 IAB303 IAB320 IAB402 Year 4, S IAB401 IFB399	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovementInformation SystemsConsultingemester 2Enterprise ArchitectureCapstone Project (Phase 2)		
IFB398 Select on IAB206 IAB260 IAB303 IAB303 IAB320 IAB402 Year 4, S IAB401 IFB399 Semester	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovementInformation SystemsConsultingemester 2Enterprise ArchitectureCapstone Project (Phase 2)2 (July) commencements		
IFB398 Select on IAB206 IAB260 IAB303 IAB303 IAB320 IAB402 Year 4, S IAB401 IFB399 Semester Year 1, S	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovementInformation SystemsConsultingemester 2Enterprise ArchitectureCapstone Project (Phase 2)• 2 (July) commencementsemester 2		
IFB398 Select on IAB206 IAB200 IAB303 IAB320 IAB402 Year 4, S IAB401 IFB399 Semester Year 1, S IFB102	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovementInformation SystemsConsultingemester 2Enterprise ArchitectureCapstone Project (Phase 2)2 (July) commencementsemester 2Introduction to ComputerSystems		
IFB398 Select on IAB206 IAB260 IAB303 IAB303 IAB320 IAB402 Year 4, S IAB401 IFB399 Semester Year 1, S IFB102 IFB103	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovementInformation SystemsConsultingemester 2Enterprise ArchitectureCapstone Project (Phase 2)c2 (July) commencementsemester 2Introduction to ComputerSystemsIT Systems Design		
IFB398 Select on IAB206 IAB206 IAB303 IAB303 IAB302 IAB402 Year 4, S IAB401 IFB399 Semester Year 1, S IFB102 IFB103 Year 2, S	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovementInformation SystemsConsultingemester 2Enterprise ArchitectureCapstone Project (Phase 2)2 (July) commencementsemester 2Introduction to ComputerSystemsIT Systems Designemester 1		
IFB398 Select on IAB206 IAB206 IAB303 IAB303 IAB320 IAB402 Year 4, S IAB401 IFB399 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovementInformation SystemsConsultingemester 2Enterprise ArchitectureCapstone Project (Phase 2)2 (July) commencementsemester 2Introduction to ComputerSystemsIT Systems Designemester 1Building IT Systems		
IFB398 Select on IAB206 IAB206 IAB303 IAB303 IAB320 IAB402 Year 4, S IAB401 IFB399 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovementInformation SystemsConsultingemester 2Enterprise ArchitectureCapstone Project (Phase 2)*2 (July) commencementsemester 2Introduction to ComputerSystemsIT Systems Designemester 1Building IT SystemsDatabase Management		
IFEar 4, S IFB398 Select on IAB206 IAB260 IAB303 IAB303 IAB303 IAB303 IAB303 IAB303 IAB303 IAB401 IFB399 Semester Year 1, S IFB102 IFB103 Year 2, S IFB105 Year 2, S	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovementInformation SystemsConsultingemester 2Enterprise ArchitectureCapstone Project (Phase 2)2 (July) commencementsemester 2Introduction to ComputerSystemsIT Systems Designemester 1Building IT SystemsDatabase Managementemester 2		
IFEar 4, S IFB398 Select on IAB206 IAB200 IAB200 IAB303 IAB303 IAB303 IAB303 IAB303 IAB303 IAB303 IAB303 IAB402 Year 4, S IAB401 IFB399 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S IAB201	emester 1Capstone Project (Phase 1)e of:Modern Data ManagementSocial TechnologiesData Analytics for BusinessInsightBusiness ProcessImprovementInformation SystemsConsultingemester 2Enterprise ArchitectureCapstone Project (Phase 2)2 (July) commencementsemester 2Introduction to ComputerSystemsIT Systems Designemester 1Building IT SystemsDatabase Managementemester 2Modelling Techniques forInformation Systems		

Year 3, Semester 1

Business Requirements IAB204 Analysis **Rapid Web Application** IAB207

	Development
Year 3, S	Semester 2
IAB305	Information Systems Lifecycle Management
IT Core l	Jnit Option
Year 4, S	Semester 1
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, S	Semester 2
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, S	Semester 1
IFB399	Capstone Project (Phase 2)
Select O	NE of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting



QUT

Year	2021
QUT code	ID11
CRICOS	096584K
Duration (full-time)	4 years
ATAR/Selection rank	84.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$11,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Communication; Dr Graham Johnson (Science)
Discipline Coordinator	Dr Jason Sternberg (Journalism); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics) (Science) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Journalism) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) in journalism.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- earth science
- environmental science
- physics

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

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Bachelor of Communication (Journalism)/Bachelor of Science

depending on how they match with your QUT course.

Sample Structure

Semesters

- Semester 1 (February)
- <u>commencements</u>
- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 1
 Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
CJB101	Newswriting
CYB101	Introduction to Communication
Science l	Jnit
Science l	Jnit
Year 1, S	emester 2
CYB103	Communication Theory and Practice
LWS011	Journalism Law
Science l	Jnit
Science l	Jnit
Note: Stu	dents considering studying
overseas	in Year 2 Semester 2 must
apply by	1 November.
Year 2, S	emester 1
CJB102	Visual Journalism
CYB102	Introduction to Media and Entertainment Industries
Science l	Jnit
Science l	Jnit
Year 2, S	emester 2
CJB103	Journalistic Inquiry
CYB104	Managing Social Media
Science l	Jnit
Science l	Jnit
Year 3, S	emester 1
CJB201	Feature Writing
CJB202	Production Journalism
Science l	Jnit
Science l	Jnit
Year 3, S	emester 2
CJB203	Newsroom

Science Unit Science Unit Year 4, Semester 1 CJB302 Newsdesk Science Unit Science Unit Year 4, Semester 2 CJB204 Journalism Ethics and Issues CJB301 International Newsdesk Science Unit Science Unit Semester 2 (July) commencements Year 1, Semester 2 Communication Theory and CYB103 Practice CYB104 Managing Social Media Science Unit Science Unit Year 2, Semester 1 CJB101 Newswriting Introduction to **CYB101** Communication Science Unit Science Unit Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 CJB103 Journalistic Inquiry LWS011 Journalism Law Science Unit Science Unit Year 3, Semester 1 CJB102 Visual Journalism Introduction to Media and **CYB102 Entertainment Industries** Science Unit Science Unit Year 3, Semester 2 CJB203 Newsroom Science Unit Science Unit Year 4, Semester 1 CJB201 Feature Writing CJB202 Production Journalism Science Unit Science Unit Year 4, Semester 2 Journalism Ethics and Issues CJB204 CJB301 International Newsdesk Science Unit

Year 3 Semester 2 Year 4 Semester 1 Year 4 Semester 2 Semester 2 (July) commencements ٠ Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 ٠ Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 Year 5, Semester 1 Code Title Semester 1 (February) commencements Year 1 Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Year 1 Semester 2 Science Core Unit Option Science Major Unit Option Year 2 Semester 1 SEB115 Experimental Science 1 SEB116 Experimental Science 2 Year 2 Semester 2 **BVB101** Foundations of Biology **BVB102** Evolution Year 3 Semester 1 Experimental Design and **BVB202 Quantitative Methods BVB301** Animal Biology Year 3 Semester 2 **BVB201** Biological Processes BVB204 Ecology Year 4 Semester 1 BVB203 Plant Biology Microbiology and the **BVB305** Environment Year 4 Semester 2 BVB304 Integrative Biology Population Genetics and **BVB313** Molecular Ecology Semester 2 (July) commencements Year 1, Semester 2 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Year 2, Semester 1

the university

for the real world

Science Unit

Science Unit

Semesters

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Semester 1 (February)

commencements

Year 1 Semester 1

Year 1 Semester 2

Year 2 Semester 1

Year 2 Semester 2

Year 3 Semester 1

Science Unit

Year 5, Semester 1

CJB302 Newsdesk

Bachelor of Communication (Journalism)/Bachelor of Science

CVB204

CVB301

Semesters

Year 4 Semester 1

Year 4 Semester 2

SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, S	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4, S	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, S	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, S	emester 1
Science (Core Unit Option
Science M	Major Unit Option

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 •
- Year 4 Semester 1 Year 4 Semester 2 .

Code	Title
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Se	emester 2
MXB100	Introductory Calculus and Algebra
Science (Core Unit Option
Year 2 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3 Se	emester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Se	emester 2
CVB203	Physical Chemistry

	• <u>Year</u>	<u>2 Semester 1</u>	ERB102	Evolving Earth
BVB305 Microbiology and the	• <u>Year</u>	<u>2 Semester 2</u>	Year 3. S	emester 1
Environment	• <u>rear</u>	3 Semester 2		Destructive Earth
Prear 4, Semester 2	• Year	4 Semester 1	ERB201	Hazards
BVB304 Integrative Biology	• <u>Year</u>	<u>4 Semester 2</u>	ERB202	Marine Geoscien
BVB313 Population Genetics and Molecular Ecology	 Sem Year 	1. Semester 2	Year 3. S	emester 2
Voor 5. Somostor 1	 Year 	<u>2, Semester 1</u>		Sedimentary Geo
Fear 5, Serrester 1	• <u>Year</u>	<u>2, Semester 2</u>	ERB203	Stratigraphy
Science Core Unit Option	• <u>rear</u> • Year	3. Semester 2		Deforming Earth:
Science Major Unit Option	• Year	4, Semester 1	ERB204	Fundamentals of
	• <u>Year</u>	<u>4, Semester 2</u>		Geology
	• <u>Year</u>	5, Semester 1	Year 4, S	emester 1
	Code	Title	ERB301	Chemical Earth
Semesters	Semester	1 (February) commencements	ERB302	Applied Geophys
Year 1 Semester 1	Year 1 Se	emester 1	Year 4, S	emester 2
Year 2 Semester 1	SEB104	Grand Challenges in Science	ERB303	Energy Resource
Year 2 Semester 2	050442	Quantitative Methods in	LINDOUD	Analysis
Year 3 Semester 1	SEBIIS	Science	ERB304	Dynamic Earth: P
Year 3 Semester 2 Year 4 Semester 1	Year 1 Se	emester 2		Tectonics
Year 4 Semester 2	Science C	Core Unit Option	Year 5, S	emester 1
	Science N	lajor Unit Option	Science (Core Unit Option
Code Thie	Year 2 Se	emester 1	Science I	Major Unit Option
	SEB115	Experimental Science 1	•	
SEB104 Grand Challenges in Science	SEB116	Experimental Science 2	Semeste	estor 1 (February)
SEB113 Quantitative Methods in	Year 2 Se	emester 2	• <u>Serr</u> com	mencements
Voor 1 Somester 2	ERB101	Earth Systems	• Yea	r 1 Semester 1
Fear T Semester 2	ERB102	Evolving Earth	• <u>Yea</u>	r 1 Semester 2
MXB100 Algebra	Year 3 Se	emester 1	• <u>rea</u> • Yea	r 2 Semester 2
Science Core Unit Ontion		Destructive Earth: Natural	• Yea	r 3 Semester 1
Vear 2 Semester 1	ERB201	Hazards	• <u>Yea</u>	r <u>3 Semester 2</u>
SEB115 Experimental Science 1	ERB202	Marine Geoscience	• <u>rea</u> • Yea	r 4 Semester 1
SEB116 Experimental Science 2	Year 3 Se	emester 2	• Sem	nester 2 (July) com
SEBITO Experimental Science 2		Sedimentary Geology and	• <u>Yea</u>	r 1, Semester 2
CV/P101 Concret Chemistry	ERB203	Stratigraphy	• <u>rea</u> • Yea	r 2, Semester 2
CVB101 General Chemistry		Deforming Earth:	• Yea	r 3, Semester 1
CVB102 Chemical Structure and	ERB204	Fundamentals of Structural	• <u>Yea</u>	r 3, Semester 2
Vear 3 Semester 1		Geology	• <u>Yea</u> • Yea	r 4, Semester 1 r 4 Semester 2
	Year 4 Se	emester 1	• Yea	r 5, Semester 1
CVB201 Inorganic Chemistry	ERB301	Chemical Earth	Codo	Titlo
Voor 2 Somester 2	ERB302	Applied Geophysics	Compate	1 (Eobruony) com
CV/D202 Develop Chamietry	Year 4 Se	emester 2	Veer 1 St	r (rebruary) com
CVD203 Filysical Chemistry				
This information is correct as at 16/12/2021. For the most up-to-date control https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?	ourse information, visit ?courseCode=ID11&id	d=36831. CRICOS No.00213J	the u r the r	niversity eal world

Organic Structure and

Organic Chemistry: Strategies

Mechanisms

for Synthesis CVB302 Applied Physical Chemistry

CVB303 Coordination Chemistry CVB304 Chemistry Research Project

• Semester 1 (February) commencements Year 1 Semester 1 Year 1 Semester 2

ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, S	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, S	emester 2
ERB203	Sedimentary Geology and Stratigraphy
	Deforming Earth:
ERB204	Fundamentals of Structural Geology
ERB204 Year 4, S	Geology emester 1
ERB204 Year 4, S ERB301	Geology emester 1 Chemical Earth
ERB204 Year 4, S ERB301 ERB302	Geology emester 1 Chemical Earth Applied Geophysics
ERB204 Year 4, S ERB301 ERB302 Year 4, S	Eundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2
ERB204 Year 4, S ERB301 ERB302 Year 4, S ERB303	Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2 Energy Resources and Basin Analysis
ERB204 Year 4, S ERB301 ERB302 Year 4, S ERB303 ERB304	Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics
ERB204 Year 4, S ERB301 ERB302 Year 4, S ERB303 ERB304 Year 5, S	Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics emester 1
ERB204 Year 4, S ERB301 ERB302 Year 4, S ERB303 ERB304 Year 5, S Science (Fundamentals of Structural Geology emester 1 Chemical Earth Applied Geophysics emester 2 Energy Resources and Basin Analysis Dynamic Earth: Plate Tectonics emester 1 Core Unit Option

- Semesters
 - Semester 1 (February) commencements
 - Year 1 Semester 1
 - Year 1 Semester 2

 - Year 2 Semester 1
 Year 2 Semester 2
 - Year 3 Semester 1

 - Year 3 Semester 2
 - Year 4 Semester 1
 - Year 4 Semester 2
 - Semester 2 (July) commencements
 - Year 1, Semester 2
 - Year 2, Semester 1
 - Year 2, Semester 2
 - Year 3, Semester 1
 - Year 3, Semester 2
 - Year 4, Semester 1
 - Year 4, Semester 2
 - Year 5, Semester 1

Code Title

Semester 1 (February) commencements Year 1 Semester 1

SD

SEB104	Grand Challenges in Science	Year 5, Semester 1	
SFB113	Quantitative Methods in	Science Core Unit Option	
	Science	Science Major Unit Option	
Year 1 Se	emester 2		
Science (
Science I			
Year 2 Se		Semeste	ers
SEB115	Experimental Science 1	• <u>Yea</u>	r 1 Semester 1
SEBI 10	Experimental Science 2	• <u>Yea</u> • Yea	ir 2 Semester 1
	Earth Systems	• <u>Yea</u>	r 2 Semester 2
LINDIOI	Ecosystems and the	• <u>Yea</u> • Yea	r 3 Semester 1 r 3 Semester 2
EVB102	Environment	• <u>Yea</u> • Yea	<u>r 4 Semester 1</u> r 4 Semester 2
Year 3 Se	emester 1	<u>- 100</u>	
BVB202	Experimental Design and Quantitative Methods	Code Year 1 S	emester 1
E\/R203	Geospatial Information	SEB104	Grand Challenges in Science
	Science	SED112	Quantitative Methods in
Year 3 Se	emester 2	SEB113	Science
BVB204	Ecology	Year 1 S	emester 2
EVB302	Environmental Pollution	MXB100	Introductory Calculus and
Year 4 Se	emester 1	0.1	Algebra
BVB311	Conservation Biology	Science	Core Unit Option
EVB312	Soils and the Environment	Year 2 S	
Year 4 Se	emester 2	SEB113	Experimental Science 1
ERB310	Groundwater Systems	SED 110	Experimental Science 2
EVB304	Case Studies in Environmental Science		Physics of the Very Small
Semester	$r_2 (u _v)$ commencements	PVD102	Physics of the Very Small
Year 1 S	Semester 2	Vear 3 S	emoster 1
SFB104	Grand Challenges in Science	real 5 5	Mathematical Methods in
	Quantitative Methods in	PVB202	Physics
SEB113	Science	PVB203	Experimental Physics
Year 2, S	emester 1	Year 3 S	emester 2
SEB115	Experimental Science 1		Computational and
SEB116	Experimental Science 2	FVD2UU	Mathematical Physics
Year 2, S	emester 2	PVB204	Electromagnetism
ERB101	Earth Systems	Year 4 S	emester 1
EVB102	Ecosystems and the Environment	PVB301	Materials and Thermal Physics
Year <u>3, S</u>	Semester 1	D//B303	Classical and Quantum
BVB202	Experimental Design and	Year 4 S	Physics emester 2
	Geospatial Information	PVB303	Nuclear and Particle Physics
EVB203	Science	PVB304	Physics Research
Year 3, S	Semester 2		,
BVB204	Ecology		
EVB302	Environmental Pollution		
Year 4, S	Semester 1		
BVB311	Conservation Biology		
EVB312	Soils and the Environment		
Year 4, S	Semester 2		
ERB310	Groundwater Systems		
EV/8304	Case Studies in		
2 0004	Environmental Science		


QUT

Year	2021
QUT code	ID11
CRICOS	096584K
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
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Course Coordinator	Program Director, School of Communication; Dr Graham Johnson (Science)
Discipline Coordinator	Dr Glen Thomas (Professional Communication); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics) (Science) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading 6.0	
Writing 6.0	
Speaking	6.0

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Professional Communication) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

four core units (48 credit points)
a communication major (144 credit points) in professional communication.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- earth science
- · environmental science
- physics

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication (Professional Communication) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

four core units (48 credit points)
a communication major (144 credit points) in professional communication.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- · earth science
- environmental science
- physics

Study overseas

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners. Overseas study can be for one or two semesters (or



Bachelor of Communication (Professional Communication)/Bachelor of Science

during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure

Semesters

- Semester 1 (February)
- **commencements**
- Year 1, Semester 1 .
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 • ٠
- Year 3, Semester 1
- Year 3, Semester 2 ٠
- Year 4, Semester 1 ٠
- Year 4, Semester 2 .
- Semester 2 (July) commencements ٠
- Year 1, Semester 2 •
- Year 2, Semester 1 Year 2, Semester 2 .
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, semester 1 •
- Year 4, Semester 2 .
- Year 5, Semester 1

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
Science l	Jnit
Science l	Jnit
Year 1, S	emester 2
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Science l	Jnit
Science l	Jnit
Note: Stu overseas apply by	dents considering studying in Year 2 Semester 2 must 1 November.
Year 2, S	emester 1
CWB10 1	Communication and Composition: Introduction to Academic Writing
CWB10 2	Influence and Persuasion
Science l	Jnit
Science l	Jnit
Year 2, S	emester 2
CCB102	Multi-Media Design
CWB10 3	Interpersonal and Intercultural Negotiation
Science l	Jnit
Science l	Jnit
Year 3, S	emester 1
CCB203	Strategic Speech Communication

CWB20 2	Rhetoric: Public Communication Skills
Science L	Jnit
Science L	Jnit
Year 3, S	emester 2
CCB204	Communication Planning and Practice
CWB20 1	Corporate Writing and Editing
Science L	Jnit
Science L	Jnit
Year 4, S	emester 1
CWB30 1	Political Communication
CWB30 3	Communication Project
Science L	Jnit
Science L	Jnit
Year 4, S	emester 2
CWB30 2	Advanced Corporate Communication
One unit f Learning KKB350):	from the Work Integrated Unit Options List (KKB341 or
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Science L	Jnit
Science L	Jnit
Semester	2 (July) commencements
Semester Year 1, S	2 (July) commencements emester 2
Semester Year 1, S CYB103	2 (July) commencements emester 2 Communication Theory and Practice
Semester Year 1, S CYB103 CYB104	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media
Semester Year 1, S CYB103 CYB104 Science U	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit
Semester Year 1, S CYB103 CYB104 Science L Science L	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit
Semester Year 1, S CYB103 CYB104 Science L Science L Year 2, S	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit emester 1
Semester Year 1, S CYB103 CYB104 Science L Science L Year 2, S CYB101	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit Init emester 1 Introduction to Communication
Semester Year 1, S CYB103 CYB104 Science L Science L Year 2, S CYB101 CYB102	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit emester 1 Introduction to Communication Introduction to Media and Entertainment Industries
Semester Year 1, S CYB103 CYB104 Science L Science L Year 2, S CYB101 CYB102 Science L	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit emester 1 Introduction to Communication Introduction to Media and Entertainment Industries Jnit
Semester Year 1, S CYB103 CYB104 Science L Science L Year 2, S CYB101 CYB102 Science L Science L	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit Introduction to Communication Introduction to Media and Entertainment Industries Jnit Jnit
Semester Year 1, S CYB103 CYB104 Science L Year 2, S CYB101 CYB102 Science L Science L Note: Stu overseas	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit emester 1 Introduction to Communication Introduction to Media and Entertainment Industries Jnit Jnit dents considering studying in Year 3 Semester 1 must
Semester Year 1, S CYB103 CYB104 Science L Year 2, S CYB101 CYB102 Science L Science L Science L Note: Stu overseas apply by	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit Unit Emester 1 Introduction to Communication Introduction to Media and Entertainment Industries Jnit Jnit dents considering studying in Year 3 Semester 1 must 1 June.
Semester Year 1, S CYB103 CYB104 Science L Science L Year 2, S CYB101 CYB102 Science L Science L Note: Stu overseas apply by Y	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit Introduction to Communication Introduction to Media and Entertainment Industries Jnit Jnit dents considering studying in Year 3 Semester 1 must 1 June. emester 2
Semester Year 1, S CYB103 CYB104 Science L Year 2, S CYB101 CYB102 Science L Science L Note: Stu overseas apply by 7 Year 2, S CCB102	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit emester 1 Introduction to Communication Introduction to Media and Entertainment Industries Jnit Jnit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Multi-Media Design
Semester Year 1, S CYB103 CYB104 Science L Year 2, S CYB101 CYB102 Science L Science L Note: Stu overseas apply by Year 2, S CCB102 CWB10 3	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit Unit emester 1 Introduction to Communication Introduction to Media and Entertainment Industries Jnit Jnit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Multi-Media Design Interpersonal and Intercultural Negotiation
Semester Year 1, S CYB103 CYB104 Science L Science L Year 2, S CYB101 CYB102 Science L Note: Stu overseas apply by Y Year 2, S CCB102 CWB10 3 Science L	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Juit Juit Juit Introduction to Communication Introduction to Media and Entertainment Industries Juit Juit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Multi-Media Design Interpersonal and Intercultural Negotiation Juit
Semester Year 1, S CYB103 CYB104 Science L Year 2, S CYB101 CYB102 Science L Note: Stu overseas apply by 7 Year 2, S CCB102 CWB10 3 Science L Science L	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit Unit emester 1 Introduction to Communication Introduction to Media and Entertainment Industries Jnit Jnit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Multi-Media Design Interpersonal and Intercultural Negotiation Jnit
Semester Year 1, S CYB103 CYB104 Science L Year 2, S CYB101 CYB102 Science L Science L Note: Stur overseas apply by Year 2, S CCB102 CWB10 3 Science L Science L Year 3, S	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit emester 1 Introduction to Communication Introduction to Media and Entertainment Industries Jnit Jnit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Multi-Media Design Interpersonal and Intercultural Negotiation Jnit Jnit emester 1
Semester Year 1, S CYB103 CYB104 Science L Year 2, S CYB101 CYB102 Science L Science L Science L Science L Note: Stu overseas apply by Y Year 2, S CCB102 CWB10 3 Science L Science L Science L Year 3, S CWB10 1	2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media Jnit Jnit Unit emester 1 Introduction to Communication Introduction to Media and Entertainment Industries Jnit Jnit Jnit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Multi-Media Design Interpersonal and Intercultural Negotiation Jnit Jnit Communication and Composition: Introduction to Academic Writing

Science Unit Science Unit Year 3, Semester 2 Communication Planning and **CCB204** Practice CWB20 Corporate Writing and Editing Science Unit Science Unit Year 4, semester 1 Strategic Speech **CCB203** Communication CWB20 Rhetoric: Public 2 **Communication Skills** Science Unit Science Unit Year 4, Semester 2 **CWB30** Advanced Corporate Communication 2 One unit from the Work Integrated Learning Unit Options List (KKB341 or KKB350): KKB341 Work Integrated Learning 1 KKB350 Creative Industries Study Tour Science Unit Science Unit Year 5, Semester 1 **CWB30** Political Communication 1 CWB30 **Communication Project** 3 Science Unit Science Unit

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 Year 4 Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2 .
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Year 5, Semester 1

Code Title

Semester	1 (February) commencements	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	



This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=ID11&id=36832. CRICOS No.00213J

rear 1 Se	emesler 2	
Science (Core Unit Option	
Science Major Unit Option		
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
BVB101	Foundations of Biology	
BVB102	Evolution	
Year 3 Se	emester 1	
BVB202	Experimental Design and Quantitative Methods	
BVB301	Animal Biology	
Year 3 Se	emester 2	
BVB201	Biological Processes	
BVB204	Ecology	
Year 4 Se	emester 1	
BV/B203	Plant Biology	
DVD200	Microbiology and the	
BVB305	Environment	
Year 4 Se	emester 2	
BVB304	Integrative Biology	
BVB313	Population Genetics and Molecular Ecology	
Semester	2 (July) commencements	
Year 1, S	emester 2	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2, S	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, S	emester 2	
BVB101	Foundations of Biology	
BVB102	Evolution	
Year 3. S	emester 1	
BVB202	Experimental Design and Quantitative Methods	
BVB301	Animal Biology	
Year 3. S	emester 2	
BVB201	Biological Processes	
BVB204	Ecology	
Vear / S	emester 1	
DVD203	Mierobiology	
BVB305	Environment	
Year 4, S	emester 2	
BVB304	Integrative Biology	
BVB313	Population Genetics and Molecular Ecology	
Year 5, S	emester 1	
Science (Core Unit Option	
Science M	Major Unit Option	

Semesters • Year 1 Semester 1 • Year 1 Semester 2 • Year 2 Semester 1 • Year 2 Semester 2 • Year 3 Semester 1 • Year 4 Semester 1 • Year 4 Semester 2 Code Title		
SEB104	Grand Challenges in Science	
SEB104	Quantitative Methods in Science	
Year 1 Se	emester 2	
MXB100	Introductory Calculus and Algebra	
Science (Core Unit Option	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
Year 3 Se	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
Year 3 Se	emester 2	
CVB203	Physical Chemistry	
CVB204	Organic Structure and Mechanisms	
Year 4 Se	emester 1	
CVB301	Organic Chemistry: Strategies for Synthesis	
CVB302	Applied Physical Chemistry	
Year 4 Se	emester 2	
CVB303	Coordination Chemistry	
CVB304	Chemistry Research Project	
Semeste	ers	

 <u>Semester 1 (February)</u>
commencements
Year 1 Semester 1
Year 1 Semester 2
 Year 2 Semester 1
Year 2 Semester 2
Year 3 Semester 1
Year 3 Semester 2
Year 4 Semester 1
Year 4 Semester 2
 Semester 2 (July) commencements
Year 1, Semester 2
Year 2, Semester 1

- Year 2, Semester 2

- Year 3, Semester 1
 Year 3, Semester 2
 Year 4, Semester 1

- Year 4, Semester 2
 Year 5, Semester 1

Code	Title
Semester	1 (February) commencements
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SED440	Quantitative Methods in
SEB113	Science
Year 1 Se	emester 2
Science C	Core Unit Option
Science M	lajor Unit Option
Year 2 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Se	emester 1
ERB201	Destructive Earth: Natural
ERB202	Marine Geoscience
Year 3 Se	emester 2
	Sedimentary Geology and
ERB203	Stratigraphy
ERB204	Fundamentals of Structural
	Geology
Year 4 Se	emester 1
ERB301	Cnemical Earth
ERB302	Applied Geophysics
rear 4 Se	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in
Year 2 S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 S	emester 2
FRB101	Farth Systems
ERB102	Evolving Earth
Year 3 S	emester 1
	Destructive Farth: Natural
ERB201	Hazards
ERB202	Marine Geoscience
Year 3, S	emester 2
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural
	Semester Year 1 Se SEB104 SEB113 Year 1 Se Science C Science C Science N Year 2 Se SEB115 SEB116 Year 2 Se ERB101 ERB202 Year 3 Se ERB203 ERB204 Year 4 Se ERB301 ERB302 Year 4 Se ERB301 ERB302 Year 4 Se ERB303 ERB304 Semester Year 1, S SEB104 SEB103 ERB304 SEB104 SEB104 SEB113 Year 2, S SEB116 Year 2, S SEB116 Year 3, S ERB101 ERB102 Year 3, S ERB201 ERB202

Bachelor of Communication (Professional Communication)/Bachelor of Science

	Geology	
Year 4, Semester 1		
ERB301	Chemical Earth	
ERB302	Applied Geophysics	
Year 4, Semester 2		
ERB303	Energy Resources and Basin Analysis	
ERB304	Dynamic Earth: Plate Tectonics	
Year 5, Semester 1		
Science Core Unit Option		

Science Major Unit Option

Semesters

- Semester 1 (February) commencements • Year 1 Semester 1 Year 1 Semester 2 Year 2 Semester 1 Year 2 Semester 2
- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- ٠ Semester 2 (July) commencements
- Year 1, Semester 2 ٠
- Year 2, Semester 1 •
- Year 2, Semester 2 ٠
- Year 3, Semester 1 Year 3, Semester 2 •
- Year 4, Semester 1 •
- Year 4, Semester 2 ٠
- Year 5, Semester 1 •

Code Title

Semester 1 (February) commencements		
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
Science (Core Unit Option	
Science M	Major Unit Option	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Year 3 Semester 1		
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3 Semester 2		
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4 Semester 1		
BVB311	Conservation Biology	

EVB312	Soils and the Environment
Year 4 Se	emester 2
ERB310	Groundwater Systems
EV/B304	Case Studies in
LVD004	Environmental Science
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, S	emester 2
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, S	emester 1
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, S	emester 2
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Year 5, S	emester 1
Science (Core Unit Option
Science M	Major Unit Option

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 •
- Year 4 Semester 2

Code	Title
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Se	emester 2
MXB100	Introductory Calculus and Algebra
Science (Core Unit Option

Year 2 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
PVB102	Physics of the Very Small
PVB101	Physics of the Very Large
Year 3 Se	emester 1
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3 Se	emester 2
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Year 4 Se	emester 1
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Se	emester 2
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

QUI



QUT

Bachelor of Communication/Bachelor of Science

Year	2021
QUT code	ID11
CRICOS	096584K
Duration (full-time)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Course Coordinator	Program Director, School of Communication; Dr Graham Johnson (Science)

Minimum English

requirements Students must meet the English proficiency requirements.



Year	2021
QUT code	ID15
CRICOS	096570E
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,600 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design; Dr Wayne Kelly (Information Technology); phone +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	Dr Jen Seevinck (Interaction Design); Dr Wayne Kelly (Computer Science), Dr Erwin Fielt (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Prerequisites

Satisfactory completion of Year 12 in an Australian school system or equivalent.

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Design (Interaction Design) and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the interaction design major (144 credit points), including: four shared foundation units (48 credit points)seven units (96 credit points) from the discipline.

Information technology component

You will complete:

- six core units (72 credit points)
- ten major core units (120 credit points) from either the information systems major or the computer science major.

Study overseas

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Design (Interaction Design) and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the interaction design major (144 credit points), including: four shared foundation units (48 credit points)seven units (96 credit points) from the discipline.

Information technology

component

You will complete:

six core units (72 credit points)
ten major core units (120 credit points) from either the information systems major or the computer

Study overseas

science major.

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.



Bachelor of Design (Interaction Design)/Bachelor of Information Technology

Year 4 Semester 1

Sample Structure

Semesters

- <u>Semester 1 (February)</u> commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code Title Semester 1 (February) commencements Year 1, Semester 1 DYB101 Impact Lab 1: Place Introducing Design **DYB121** Fabrication IT Core Unit IT Core Unit Year 1, Semester 2 DYB102 Impact Lab 2: People DYB123 Emerging Design Technology IT Core Unit IT Core Unit Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November. Year 2, Semester 1 Principles of Interaction **DXB110** Design DYB122 Design Visualisations IT Core Unit IT Core Unit Year 2, Semester 2 DXB111 Introduction to Web Design DYB124 Design Consequences IT Major Unit IT Major Unit Year 3, Semester 1 DXB210 Critical Experience Design DXB211 Creative Coding IT Major Unit IT Major Unit Year 3, Semester 2 DXB212 Tangible Media DYB201 Impact Lab 3: Planet IT Major Unit IT Major Unit

DXB310	Augmented Interactions	
One unit f	from the Impact Lab Unit	
Options L	ist (DYB301, KKB341 or	
KKB350):		
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
IT Major l	Jnit	
IT Major l	Jnit	
Year 4, S	emester 2	
DXB311	Advanced Interaction Design Project	
IT Major l	Jnit	
IT Major l	Jnit	
Semester	2 (July) commencements	
Year 1, S	emester 2	
DYB101	Impact Lab 1: Place	
DYB123	Emerging Design Technology	
IT Core U	nit	
IT Core U	nit	
Voor 2 S	omostor 1	
rear 2, S		
DYB121	Fabrication	
DYB122	Design Visualisations	
IT Core U	nit	
IT Core U	nit	
Note: Stu	dents considering studying	
Note: Stu overseas	dents considering studying in Year 3 Semester 1 must	
Note: Stu overseas apply by 2	dents considering studying in Year 3 Semester 1 must 1 June.	
Note: Stu overseas apply by 7 Year 2, S	dents considering studying in Year 3 Semester 1 must 1 June. emester 2	
Note: Stu overseas apply by 7 Year 2, S DYB124	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences	
Note: Stu- overseas apply by 7 Year 2, S DYB124 DXB111	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design nit	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design Init nit	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design Init Init emester 1	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design init emester 1 Principles of Interaction Design	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design nit nit emester 1 Principles of Interaction Design Creative Coding	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design init emester 1 Principles of Interaction Design Creative Coding Jnit	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U IT Major U	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U IT Major U Year 3, S	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design nit nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design nit nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102 DXB212	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design nit nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People Tangible Media	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102 DXB212 IT Major I	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design nit nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People Tangible Media Jnit	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102 DXB212 IT Major U IT Major U	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design init nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People Tangible Media Jnit Init	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102 DXB212 IT Major U IT Major U	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design init nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People Tangible Media Jnit Jnit	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102 DXB212 IT Major U IT Major U IT Major U Year 4, S	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design nit nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People Tangible Media Jnit Jnit Creative Codia	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102 DXB212 IT Major U IT Major U Year 4, S DXB210	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design nit nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People Tangible Media Jnit Jnit Critical Experience Design	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102 DXB212 IT Major U IT Major U Year 4, S DXB210 DXB310	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design init nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People Tangible Media Jnit Jnit emester 1 Critical Experience Design Augmented Interactions	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102 DXB212 IT Major U Year 4, S DXB210 DXB210 DXB210 IT Major U	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design init nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People Tangible Media Jnit Jnit emester 1 Critical Experience Design Augmented Interactions Jnit	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102 DXB212 IT Major U Year 4, S DXB210 DXB210 DXB210 IT Major U IT Major U	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design init init emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People Tangible Media Jnit Jnit emester 1 Critical Experience Design Augmented Interactions Jnit Jnit	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102 DXB212 IT Major U IT Major U Year 4, S DXB210 DXB210 IT Major U Year 4, S	dents considering studying in Year 3 Semester 1 must 1 June. Design Consequences Introduction to Web Design nit nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People Tangible Media Jnit Jnit Critical Experience Design Augmented Interactions Jnit Jnit emester 1 Critical Experience Design Augmented Interactions	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102 DXB212 IT Major U Year 4, S DXB210 DXB210 DXB210 IT Major U Year 4, S DXB210 IT Major U Year 4, S	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design init nit emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People Tangible Media Jnit Jnit emester 1 Critical Experience Design Augmented Interactions Jnit Jnit emester 2 Advanced Interaction Design	
Note: Stu overseas apply by 7 Year 2, S DYB124 DXB111 IT Core U IT Core U Year 3, S DXB110 DXB211 IT Major U Year 3, S DYB102 DXB212 IT Major U IT Major U Year 4, S DXB210 DXB210 DXB210 DXB210 IT Major U IT Major U IT Major U Year 4, S	dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Design Consequences Introduction to Web Design init init emester 1 Principles of Interaction Design Creative Coding Jnit Jnit emester 2 Impact Lab 2: People Tangible Media Jnit Jnit emester 1 Critical Experience Design Augmented Interactions Jnit Jnit emester 2 Advanced Interaction Design Project	

IT Major Unit Year 5, Semester 1 DYB201 Impact Lab 3: Planet One unit from the Impact Lab Unit Options List (DYB301, KKB341 or KKB350): DYB301 Impact Lab 4: Purpose KKB341 Work Integrated Learning 1 KKB350 Creative Industries Study Tour IT Major Unit IT Major Unit

Semesters

- <u>Semester 1 (February)</u> <u>commencements</u>
 <u>Year 1, Semester 1</u>
- Voar 1, Semester
- Year 1, Semester 2
 Voor 2, Semester 1
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Veer 2 Semester
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
 Year 5, Semester 1

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
IT Core U	Init Option
IT Core U	Init Option
Year 2, S	emester 2
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, S	emester 1
CAB203	Discrete Structures
CAB302	Software Development
Year 3, S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	emester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, S	emester 2
IFB399	Capstone Project (Phase 2)
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Bachelor of Design (Interaction Design)/Bachelor of Information Technology

• Year 3, Semester 1

Select one of:

CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester	2 (July) commencements
Year 1, S	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, S	emester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 2
CAB201	Programming Principles
IT Core U	Init Option
Year 3, S	emester 1
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 3, S	emester 2
CAB303	Networks
CAB303 IFB295	Networks IT Project Management
CAB303 IFB295 Year 4, S	Networks IT Project Management emester 1
CAB303 IFB295 Year 4, S CAB203	Networks IT Project Management emester 1 Discrete Structures
CAB303 IFB295 Year 4, S CAB203 CAB302	Networks IT Project Management emester 1 Discrete Structures Software Development
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1)
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of:
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB403	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB403 OR IT Co	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming re Unit Option
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB401 CAB403 OR IT Co Year 5, S	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB401 OR IT Co Year 5, S IFB399	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1 Capstone Project (Phase 2)
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB403 OR IT Co Year 5, S IFB399 Select ON	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1 Capstone Project (Phase 2) NE of:
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB403 OR IT Co Year 5, S IFB399 Select ON CAB402	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1 Capstone Project (Phase 2) NE of: Programming Paradigms
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB401 OR IT Co Year 5, S IFB399 Select ON CAB402 CAB420	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1 Capstone Project (Phase 2) NE of: Programming Paradigms Machine Learning
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB401 CAB403 OR IT Co Year 5, S IFB399 Select ON CAB402 CAB402 OR IT Co	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) VE of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1 Capstone Project (Phase 2) VE of: Programming Paradigms Machine Learning re Unit Option
CAB303 IFB295 Year 4, S CAB203 CAB302 Year 4, S IFB398 Select ON CAB401 CAB401 CAB403 OR IT Co Year 5, S IFB399 Select ON CAB402 CAB420 OR IT Co (Select IT selected p	Networks IT Project Management emester 1 Discrete Structures Software Development emester 2 Capstone Project (Phase 1) NE of: High Performance and Parallel Computing Systems Programming re Unit Option emester 1 Capstone Project (Phase 2) NE of: Programming Paradigms Machine Learning re Unit Option Core Unit Option here, if not previously.)

Semesters 0

•	Semester 1 (February)
	<u>commencements</u>
٠	Year 1, Semester 1
٠	Year 1, Semester 2
٠	Year 2, Semester 1
٠	Year 2, Semester 2
٠	Year 3, Semester 1
٠	Year 3, Semester 2
٠	Year 4, Semester 1
•	Year 4 Semester 2

•	Teal 4, Semester Z	
-	Compositor O (lulu) a among an annu	

 Semester 2 (July) commencements ٠

- Year 1, Semester 2 Year 2, Semester 1 ٠
- Year 2, Semester 2 •

• <u>Yea</u>	r 3, Semester 2
• <u>rea</u> • Yea	r 4, Semester 1 r 4, Semester 2
• Yea	r 5, Semester 1
Codo	Titlo
Somosto	r 1 (Eebruany) common common
Voor 1 S	Competer 1
IFB102	Systems
IFB103	IT Systems Design
Year 1, S	Semester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	Semester 1
IT Core L	Jnit Option
IT Core L	Jnit Option
Year 2, S	emester 2
	Modelling Techniques for
IAD201	Information Systems
IAB207	Rapid Web Application
Voor 2 -	
	Rusinges Presses Medalling
IAB203	Business Process Modelling
IAB204	Analysis
Year 3, S	Semester 2
IAB305	Information Systems Lifecycle
IFB295	IT Project Management
Year 4, S	Semester 1
IFB398	Capstone Project (Phase 1)
Select or	ne of:
IAB206	Modern Data Management
IAB260	Social Technologies
	Data Analytics for Business
IAB303	Insight
IAB320	Business Process
	Improvement
IAB402	Information Systems Consulting
Year 4.S	Semester 2
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semeste	r 2 (July) commencements
Voor 1 -S	Semester 2
IED 400	Introduction to Computer
IFB102	Introduction to Computer Systems
IFB102 IFB103	Introduction to Computer Systems IT Systems Design
IFB102 IFB103 Year <u>2, S</u>	Introduction to Computer Systems IT Systems Design emester 1
IFB102 IFB103 Year 2, S IFB104	Introduction to Computer Systems IT Systems Design semester 1 Building IT Systems
IFB102 IFB103 Year 2, S IFB104 IFB105	Introduction to Computer Systems IT Systems Design Commester 1 Building IT Systems Database Management
IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S	Introduction to Computer Systems IT Systems Design Semester 1 Building IT Systems Database Management Semester 2
IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S	Introduction to Computer Systems IT Systems Design Semester 1 Building IT Systems Database Management Semester 2 Modelling Techniques for
IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S IAB201	Introduction to Computer Systems IT Systems Design Semester 1 Building IT Systems Database Management Semester 2 Modelling Techniques for Information Systems

Veer 2 Competer 1			
rear 5, 5	emester i		
IAB204	Business Requirements Analysis		
IAB207	Rapid Web Application Development		
Year 3, S	Year 3, Semester 2		
IAB305	Information Systems Lifecycle Management		
IT Core U	nit Option		
Year 4, S	Year 4, Semester 1		
IAB203	Business Process Modelling		
IFB295	IT Project Management		
Year 4, S	emester 2		
IAB401	Enterprise Architecture		
IFB398	Capstone Project (Phase 1)		
Year 5, S	Year 5, Semester 1		
IFB399	Capstone Project (Phase 2)		
Select ON	IE of:		
IAB206	Modern Data Management		
IAB260	Social Technologies		
IAB303	Data Analytics for Business Insight		
IAB320	Business Process Improvement		
IAB402	Information Systems Consulting		



Year	2021
QUT code	ID20
CRICOS	096575M
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,000 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design; Dr Graham Johnson (Science)
Discipline Coordinator	Dr Greg Mewes (Landscape Architecture); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics) (Science) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Prerequisites

Satisfactory completion of Year 12 in an Australian school system or equivalent.

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the landscape architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- earth science
- environmental science
- physics

Study overseas

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in a creative or non-creative discipline area, depending on how they match with your QUT course.

International Course

structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Design (Landscape Architecture) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

Design component

You will complete:

- four school-wide impact lab units (48 credit points)
- the landscape architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

Science component

You will complete five core units (60 credit points) and a science major (132 credit points) in one of the following study areas:

- biological sciences
- chemistry
- · earth science
- environmental science
- physics

Study overseas

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in a creative or non-creative discipline area, depending on how they match with your



Science Unit

QUT course.

Sample Structure

Semesters

- Semester 1 (February)
- **commencements**
- Year 1, Semester 1 Year 1, Semester 2
- Year 2, Semester 1
- ٠ Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- ٠ Year 4, Semester 2
- Semester 2 (July) commencements .
- ٠ Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 Year 3, Semester 1 •
- ٠
- Year 3, Semester 2
- Year 4, Semester 1
- ٠ Year 4, Semester 2
- Year 5, Semester 1 ٠

Code Title

Semester 1 (February) commencements		
Year 1, S	emester 1	
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
Science l	Jnit	
Science l	Jnit	
Year 1, S	emester 2	
DYB113	Create and Represent: Materials	
DYB114	Spatial Histories	
Science L	Jnit	
Science L	Jnit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.		
Year 2, S	emester 1	
DLB101	Landscape Studio 1	
DYB112	Spatial Materiality	
Science l	Jnit	
Science l	Jnit	
Year 2, S	emester 2	
DLB102	Landscape Studio 2	
DYB102	Impact Lab 2: People	
Science l	Jnit	
Science Unit		
Year 3, S	emester 1	
DLB201	Landform, Technology and Techniques	
DLB202	Landscape, People and Place Studio	
Science Unit		
Science Unit		
Year 3, S	emester 2	
DLB204	Planting Design	
DYB201	Impact Lab 3: Planet	

Science Unit		
Year 4, S	emester 1	
DLB301	Landscape Ecology	
One unit f	rom the Impact Lab Unit	
Options L	ist (DYB301, KKB341 or	
KKB350):		
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
Science L	Jnit	
Science L	Jnit	
Year 4, S	emester 2	
	Landscape Materiality and	
DLD302	Constructs	
DLB303	Resilient Landscapes Studio	
Science L	Jnit	
Science L	Jnit	
Semester	2 (July) commencements	
Year 1, S	emester 2	
DYB101	Impact Lab 1: Place	
DVB113	Create and Represent:	
DIDIIO	Materials	
Science L	Jnit	
Science L	Jnit	
Year 2, S	emester 1	
DYB111	Create and Represent: Form	
DYB112	Spatial Materiality	
Science L	Jnit	
Science L	Jnit	
Note: Stu	dents considering studying	
overseas	in Year 3 Semester 1 must	
apply by ?	I June.	
Year 2, S	emester 2	
DLB102	Landscape Studio 2	
DYB114	Spatial Histories	
Science L	Jnit	
Science L	Jnit	
Year 3, Se	emester 1	
DLB101	Landscape Studio 1	
DYB102	Impact Lab 2: People	
Science L	Jnit	
Science L	Jnit	
Year 3, S	emester 2	
DLB204	Planting Design	
DYB201	Impact Lab 3: Planet	
Science L	Jnit	
Science L	Jnit	
Year 4, Semester 1		
DLB201	Landform, Technology and Techniques	
DLB202	Landscape, People and Place Studio	
Science L	Jnit	
Science L	Jnit	

Science L	Jnit	
Science L	Jnit	
Year 5, S	emester 1	
DLB301	Landscape Ecology	
One unit	from the Impact Lab Unit	
Options List:		
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
Science l	Jnit	
Science L	Jnit	
Semesters Semester 1 (February) commencements Year 1, Semester 1 Year 1, Semester 2 Year 2, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 1 Year 4, Semester 2 Semester 2 (July) commencements Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 1 Year 3, Semester 1		
• <u>Yea</u>	<u>r 4, Semester 1</u>	
• Year 4, Semester 2		
• <u>real</u>	r 5, Semester I	
Code	Title	
Semester	⁻ 1 (February) commencements	
Year 1, S	emester 1	
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
Science l	Jnit	
Science Unit		
Year 1, S	emester 2	
DYB113	Create and Represent: Materials	
DYB113 DYB114	Create and Represent: Materials Spatial Histories	
DYB113 DYB114 Science U	Create and Represent: Materials Spatial Histories Jnit	
DYB113 DYB114 Science U Science U	Create and Represent: Materials Spatial Histories Jnit Jnit	

Year 4, Semester 2

Constructs

DLB303 Resilient Landscapes Studio

DLB302

Landscape Materiality and

Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1	
DLB101	Landscape Studio 1
DYB112	Spatial Materiality
Science Unit	
Science Unit	
Year 2, Semester 2	
DLB102	Landscape Studio 2



DYB102	Impact Lab 2: People
Science L	Jnit
Science L	Jnit
Year 3, S	emester 1
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
Science L	Jnit
Science L	Jnit
Year 3, S	emester 2
DLB204	Planting Design
DYB201	Impact Lab 3: Planet
Science L	Jnit
Science L	Jnit
Year 4, S	emester 1
DLB301	Landscape Ecology
One unit f Options L KKB350):	from the Impact Lab Unit ist (DYB301, KKB341 or
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Science L	Jnit
Science L	Jnit
Year 4, S	emester 2
DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio
Science L	Jnit
Science L	Jnit
Semester	2 (July) commencements
Year 1, S	emester 2
DYB101	Impact Lab 1: Place
DYB113	Create and Represent: Materials
Science L	Jnit
Science L	Jnit
Year 2, S	emester 1
DYB111	Create and Represent: Form
DYB112	Spatial Materiality
Science L	JNIL
Science L	Jnil donto considering studius r
overseas	uents considering studying in Year 3 Semester 1 must
apply by '	1 June.
Year 2, S	emester 2
DLB102	Landscape Studio 2
DYB114	Spatial Histories
Science L	Jnit
Science L	Jnit
Year 3, S	emester 1
DLB101	Landscape Studio 1
DYB102	Impact Lab 2: People

Science Unit		
Year 3, S	emester 2	
DLB204	Planting Design	
DYB201	Impact Lab 3: Planet	
Science L	Jnit	
Science L	Jnit	
Year 4, S	emester 1	
DLB201	Landform, Technology and Techniques	
DLB202	Landscape, People and Place Studio	
Science L	Jnit	
Science L	Jnit	
Year 4, S	emester 2	
DLB302	Landscape Materiality and Constructs	
DLB303	Resilient Landscapes Studio	
Science L	Jnit	
Science L	Jnit	
Year 5, S	emester 1	
DLB301	Landscape Ecology	
One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):		
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
UXB301	Professional Practice	
Science Unit		
Science Unit		
Comosta		

S

Semeste	ers
 Sem 	<u>ester 1 (February)</u>
com	mencements
 Year 	r 1 Semester 1
 Year 	<u>r 1 Semester 2</u>
 Year 	<u>r 2 Semester 1</u>
 Year 	<u>r 2 Semester 2</u>
• <u>Yea</u>	<u>r 3 Semester 1</u>
• <u>Yea</u>	<u>r 3 Semester 2</u>
• <u>Yea</u>	<u>r 4 Semester 1</u>
• <u>Yea</u>	<u>r 4 Semester 2</u>
• <u>Sem</u>	nester 2 (July) commencements
• <u>Yea</u>	<u>r 1, Semester 2</u>
• <u>Yea</u>	<u>r 2, Semester 1</u>
• <u>Yea</u>	<u>r 2, Semester 2</u>
• <u>Yea</u>	<u>r 3, Semester 1</u>
• <u>Yea</u>	<u>r 3, Semester 2</u>
• <u>Yea</u>	<u>r 4, Semester 1</u>
• <u>Yea</u>	<u>r 4, Semester 2</u>
• <u>Yea</u>	<u>r 5, Semester 1</u>
Code	litle
Semester	1 (February) commencements
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Vear 1 Se	mester 2

Science Co

5, Semester 1	ΒV
Title	BV
1 (February) commencements	Ye
nester 1	5.0
Grand Challenges in Science	50
Quantitative Methods in Science	30
nester 2	
ore Unit Option	

Science Major Unit Option	
Year 2 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Se	emester 1
BVB202	Experimental Design and
BVB301	Animal Biology
Year 3 Se	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4 Se	emester 1
BVB203	Plant Biology
	Microbiology and the
BVB305	Environment
Year 4 Se	emester 2
BVB304	Integrative Biology
D) (DO 10	Population Genetics and
BVB313	Molecular Ecology
Semeste	r 2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3. S	Semester 1
BVB202	Experimental Design and
D) (D004	
BVB301	Animal Biology
Year 3, S	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4, S	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, S	lemester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5 S	Semester 1
Science (Core Unit Option
Science I	Vaior Unit Option
	,



Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code Title Year 1 Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Year 1 Semester 2 Introductory Calculus and MXB100 Algebra Science Core Unit Option Year 2 Semester 1 SEB115 Experimental Science 1 SEB116 Experimental Science 2 Year 2 Semester 2 CVB101 General Chemistry Chemical Structure and **CVB102** Reactivity Year 3 Semester 1 CVB201 Inorganic Chemistry CVB202 Analytical Chemistry Year 3 Semester 2 CVB203 Physical Chemistry Organic Structure and **CVB204** Mechanisms Year 4 Semester 1 Organic Chemistry: Strategies CVB301 for Synthesis CVB302 Applied Physical Chemistry Year 4 Semester 2 CVB303 Coordination Chemistry CVB304 Chemistry Research Project

Semesters

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- <u>Semester 2 (July) commencements</u>
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
 Year 3, Semester 2
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- TEAL J, JEINESLEI I

Code	Title
Semester	1 (February) commencements
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Se	emester 2
Science (Core Unit Option
Science M	Aajor Unit Option
Year 2 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Se	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3 Se	emester 2
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Se	emester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Se	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, S	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, S	emester 2
ERB203	Sedimentary Geology and Stratigraphy
	Deforming Earth:

ERB204 Fundamentals of Structural

Geology

Year 4, Semester 1

ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, S	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Year 5, Semester 1	
Science Core Unit Option	
Science Maior Unit Option	

Semesters

- <u>Semester 1 (February)</u>
 <u>commencements</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 1
- Year 4 Semester 1
- Year 4 Semester 1
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code	Title	
Semester	1 (February) commencements	
Year 1 Se	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
Science (Core Unit Option	
Science M	Major Unit Option	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Year 3 Se	emester 1	
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3 Semester 2		
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4 Se	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4 Se	emester 2	



ERB310	Groundwater Systems
EV/B304	Case Studies in
L V DOO4	Environmental Science
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
	• • • • •
EVB203	Geospatial Information Science
EVB203 Year 3, S	Geospatial Information Science emester 2
EVB203 Year 3, S BVB204	Geospatial Information Science emester 2 Ecology
EVB203 Year 3, S BVB204 EVB302	Geospatial Information Science emester 2 Ecology Environmental Pollution
EVB203 Year 3, S BVB204 EVB302 Year 4, S	Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1
EVB203 Year 3, S BVB204 EVB302 Year 4, S BVB311	Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1 Conservation Biology
EVB203 Year 3, S BVB204 EVB302 Year 4, S BVB311 EVB312	Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1 Conservation Biology Soils and the Environment
EVB203 Year 3, S BVB204 EVB302 Year 4, S BVB311 EVB312 Year 4, S	Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1 Conservation Biology Soils and the Environment emester 2
EVB203 Year 3, S BVB204 EVB302 Year 4, S BVB311 EVB312 Year 4, S ERB310	Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1 Conservation Biology Soils and the Environment emester 2 Groundwater Systems
EVB203 Year 3, S BVB204 EVB302 Year 4, S BVB311 EVB312 Year 4, S ERB310 EVB304	Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1 Conservation Biology Soils and the Environment emester 2 Groundwater Systems Case Studies in Environmental Science
EVB203 Year 3, S BVB204 EVB302 Year 4, S BVB311 EVB312 Year 4, S ERB310 EVB304 Year 5, S	Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1 Conservation Biology Soils and the Environment emester 2 Groundwater Systems Case Studies in Environmental Science emester 1
EVB203 Year 3, S BVB204 EVB302 Year 4, S BVB311 EVB312 Year 4, S ERB310 EVB304 Year 5, S Science (Geospatial Information Science emester 2 Ecology Environmental Pollution emester 1 Conservation Biology Soils and the Environment emester 2 Groundwater Systems Case Studies in Environmental Science emester 1 Core Unit Option

SEB116	Experimental Science 2		
Year 2 Se	emester 2		
PVB102	Physics of the Very Small		
PVB101	Physics of the Very Large		
Year 3 Se	emester 1		
PVB202	Mathematical Methods in Physics		
PVB203	Experimental Physics		
Year 3 Se	Year 3 Semester 2		
PVB200	Computational and Mathematical Physics		
PVB204	Electromagnetism		
Year 4 Semester 1			
PVB301	Materials and Thermal Physics		
PVB302	Classical and Quantum Physics		
Year 4 Semester 2			
PVB303	Nuclear and Particle Physics		
PVB304	Physics Research		

Semesters

- Year 1 Semester 1
 Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1 ٠ Year 4 Semester 2

Code	Title	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Semester 2		
MXB100	Introductory Calculus and Algebra	
Science Core Unit Option		
Year 2 Semester 1		
SEB115	Experimental Science 1	



Year	2021
QUT code	ID22
CRICOS	099057J
Duration (full-time)	4.5 years
Duration (part-time domestic)	9 years
ATAR/Selection rank	72.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$6,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,200 per year full-time (96 credit points)
Total credit points	432
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

You must have passed four semesters (Units 3 & 4, C) at an Australian high school level or equivalent:

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- at least one of General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C).

Haven't completed the prerequisite subjects?

You may be able to meet the prerequisite requirements if you've completed equivalent subjects or by completing bridging courses.

How to meet prerequisite requirements

Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a 'satisfactory' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the 'satisfactory' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at 'unsatisfactory' after two test attempts for that component.

International Entry requirements

Prerequisites

You must have passed four semesters (Units 3 & 4, C) at an Australian high school level or equivalent:

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- at least one of General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C).

Haven't completed the prerequisite subjects?

You may be able to meet the prerequisite requirements if you've completed equivalent subjects or by completing bridging courses.

How to meet prerequisite requirements

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) capabilities criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0



Reading	6.0
Writing	6.0
Speaking	6.0

Sample Structure

Semesters

- Semester 1 (February)
 - **Commencement**
- Year 1, Semester 1
- Year 1, Semester 2 Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 ٠
- Year 4, Semester 2 ٠
- Year 5, Semester 1 Semester 2 (July) Commencement: ٠
- Year 1, Semester 2
- ٠
- Year 2, Semester 1 Year 2, Semester 2 ٠
- Year 3, Semester 1 •
- Year 3, Semester 2 .
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1 •
- Year 5, Semester 2

Code	Title	
Semester	r 1 (February) Commencement	
Year 1, S	emester 1	
EUB101	Supporting Innovative Pedagogy with Digital Technologies	
EUB104	Stepping In	
IT Core L	Jnit	
IT Core L	Jnit	
Year 1, S	emester 2	
EUB129	Introduction to Curriculum, Pedagogy and Assessment: Double Degree	
EUB129	requires a blue card	
EUB112	Child and Adolescent Learning and Development	
IT Core L	Jnit	
IT Core L	Jnit	
Year 2, S	emester 1	
EUB103	Culture Studies: Indigenous Education	
IT Major	Unit	
IT Major	Unit	
EUB242 -2	Professional Experience: Introduction to Professional Practice	
Designated Unit EUB242: Contains 15 days professional experience and requires a blue card		
Year 2, S	emester 2	
Curriculum unit 1 for second teaching area from Education Discipline & Curriculum Units List		

Discipline unit 1 for second teaching

area from Curricului	Education Discipline & m Units List
IT Core U	Init Option
IT Major l	Jnit
Year 3, S	emester 1
Discipline	unit 2 for second teaching
area from Curricului	Education Discipline & m Units List
EUB213	Inclusive Practices for Diverse Learners
IT Major l	Jnit
EUB343 -2	Professional Experience: Informing Professional Practice
Designate days prof requires a	ed Unit EUB343: Contains 20 essional experience and a blue card
Year 3, S	emester 2
Curricului	m unit 2 for second teaching
area from Curricului	Education Discipline & m Units List
Discipline area from Curricului	unit 3 for second teaching Education Discipline & m Units List
IT Core U	Init Option
IT Major l	Jnit
Year 4, S	emester 1
EUB102	Education and Society
IT Major l	Jnit
، IT Maior ۱	Jnit (capstone)
EUB444 I Consolida	Professional Experience: ating Professional Practice
Designate	ed Unit EUB444: Contains 20
days prof requires a	essional experience and a blue card
Year 4, S	emester 2
EUB329	Curriculum, Pedagogy and Assessment: Double Degree
IT Major l	Jnit
IT Major l	Jnit
IT Major l	Jnit (capstone)
Year 5, S	emester 1
	Professional Experience:
EUB445	Transition to Professional Practice
Designate	ed Unit EUB445: Contains 25
days prof	essional experience and
EUB445 i semester	nust be taken in your final of study.
EUB406	Stepping Out/ Quality Teaching Performance Assessment
semester	must be taken in your final of study.

Discipline unit 4 for second teacher area from Education Discipline & Curriculum

Units	
Semeste	r 2 (July) Commencement:
Year 1, S	Semester 2
IT Core l	Jnit
IT Core l	Jnit
IT Core l	Jnit
IT Core I	Init
Year 2. S	Semester 1
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Supporting Innovative
EUB101	Pedagogy with Digital
	Technologies
EUB102	Education and Society
ELIB103	Culture Studies: Indigenous
EUDIOS	Education
EUB104	Stepping In
rear 2, S	bemester 2
EUB129	Pedagogy and Assessment: Double Degree
EUB129	requires a blue card
EUB112	Child and Adolescent Learning and Development
IT Major	Unit
IT Major	Unit
Year 3, S	Semester 1
EUB213	Inclusive Practices for Diverse Learners
IT Major	Unit
IT Major	Unit
EUB242 -2	Professional Experience: Introduction to Professional Practice
Designat days prot requires	ed Unit EUB242: Contains 15 fessional experience and a blue card
Year 3, S	Semester 2
Curriculu area fron Curriculu	m unit 1 for second teaching n Education Discipline & m Units List - July entry
Discipline area fron Curriculu	e unit 1 for second teaching n Education Discipline & m Units List - July entry
IT Major	Unit
IT Major	Unit
Year 4, S	Semester 1
FUB343	Professional Experience:
-2	Informing Professional Practice
Designat	ed Unit EUB343: Contains 20
days pro	essional experience and
Discipling	a viue valu
area fron Curriculu	n Education Discipline & m Units List - July entry
IT Major	Unit
, IT Core l	Jnit Option
Year 4. S	Semester 2



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Curriculum unit 2 for second teaching area from Education Discipline & Curriculum Units List - July entry Curriculum, Pedagogy and **EUB329** Assessment: Double Degree Discipline unit 3 for second teaching area from Education Discipline & Curriculum Units List - July entry IT Core Unit Option Year 5, Semester 1 EUB444 Professional Experience: **Consolidating Professional Experience** Designated Unit EUB444: Contains 20 days professional experience and requires a blue card Discipline unit 4 for second teaching area from Education Discipline & Curriculum Units List - July entry EUB310 Teaching EAL/D Learners IT Major Unit (capstone) Year 5, Semester 2 Professional Experience: EUB445 Transition to Professional Practice EUB445 must be taken in your final semester of study. Designated Unit EUB445: Contains 25 days professional experience and requires a blue card Stepping Out/ Quality EUB406 **Teaching Performance** Assessment Designated unit: EUB406. EUB406 is a Capstone unit with Conference. Completion of all units in your course is assumed knowledge. It requires a blue card. EUB406 must be taken in your final semester of study.

IT Major Unit IT Major Unit (capstone)

Semesters

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- Year 5, Semester 2

Code	Title	
Semester	1 (February) commencements	
Year 1, S	emester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 1	
CAB201	Programming Principles	
CAB203	Discrete Structures	
Year 2, S	emester 2	
CAB202	Microprocessors and Digital Systems	
Core Unit	Option	
Year 3, S	emester 1	
CAB301	Algorithms and Complexity	
Year 3, S	emester 2	
IFB295	IT Project Management	
Core Unit	Option	
Year 4, S	emester 1	
CAB302	Software Development	
IFB398	Capstone Project (Phase 1)	
Year 4, S	emester 2	
CAB303	Networks	
IFB399	Capstone Project (Phase 2)	
Select ON	NE of:	
CAB401	High Performance and Parallel Computing	
CAB402	Programming Paradigms	
CAB403	Systems Programming	
CAB420	Machine Learning	
Semester	2 (July) commencements	
Year 1, S	emester 2	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 1	
All units this semester will be Education units		
Year 2, S	emester 2	
CAB201	Programming Principles	
CAB202	Microprocessors and Digital Systems	
Year 3, S	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S	emester 1	

CAB301 Algorithms and Complexity Core Unit Option Year 4, Semester 2 Core Unit Option Year 5, Semester 1 IFB398 Capstone Project (Phase 1) Year 5, Semester 2 IFB399 Capstone Project (Phase 2) Select ONE of: High Performance and CAB401 Parallel Computing CAB402 Programming Paradigms CAB403 Systems Programming CAB420 Machine Learning

Semesters

 Semester 1 (February) commencements Year 1, Semester 1 Year 1, Semester 2 Year 2, Semester 1 Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 Semester 2 (July) commencements 			
• Yea	<u>ar 2, Semester 1</u>		
• <u>Yea</u> • <u>Yea</u>	ar 3, Semester 1		
• Yea	• Year 3, Semester 2		
• <u>rea</u> • Yea	ar 4, Semester 1		
• Yea	ir 5, Semester 1		
• <u>Yea</u>	<u>ir 5, Semester 2</u>		
Code	Title		
Semeste	r 1 (February) commencements		
Year 1, Semester 1			
IFB102	Introduction to Computer Systems		
IFB103	IFB103 IT Systems Design		
Year 1, S	Semester 2		
IFB104	Building IT Systems		
IFB105	Database Management		
Year 2, S	Semester 1		
IAB201	Modelling Techniques for Information Systems		
IAB203	Business Process Modelling		
Year 2, Semester 2			
IAB207	Rapid Web Application Development		
IAB305	Information Systems Lifecycle Management		
Year 3, Semester 1			
Core Uni	Core Unit Option		
Year 3, S	Semester 2		
IAB401	Enterprise Architecture		
IFB295	IT Project Management		



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Year 4. S	emester 1
	Business Requirements
IAB204	Analysis
IFB398	Capstone Project (Phase 1)
Year 4, S	emester 2
Core Unit	Option
IFB399	Capstone Project (Phase 2)
Select on	e of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Semester	2 (July) commencements
Year 1, S	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
All units tl units	nis semester will be Education
Year 2, S	emester 2
	Modelling Techniques for
IAB201	Information Systems
IAB203	Business Process Modelling
Year 3, S	emester 1
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application
Year 3. S	emester 2
	Information Systems Lifecycle
IAB305	Management
IFB295	IT Project Management
Year 4, S	emester 1
Core Unit	Option
Core Unit	Option
Year 4, S	emester 2
IAB401	Enterprise Architecture
Year 5, S	emester 1
IFB398	Capstone Project (Phase 1)
Year 5. S	emester 2
IFB399	Capstone Project (Phase 2)
Select ON	VE of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business
IAB320	Business Process

IAB402	Information Systems Consulting	
In this lis • Engl Disc • Geo Disc • Histe Disc • Math Disc	st ish Second Teaching Area ipline and Curriculum Units List graphy Second Teaching Area ipline and Curriculum Units List ory Second Teaching Area ipline and Curriculum Units List nematics Second Teaching Area ipline and Curriculum Units List	
English S Discipline	econd Teaching Area and Curriculum Units List	
Code	Title	
Year 2, S	emester 2: Discipline Unit 1	
EUB152	Teaching Young Adult Literature	
Year 2, S	emester 2: Curriculum Unit 1	
EUB220	Curriculum, Pedagogy and Assessment 1: English	
Year 3, S	emester 1: Discipline Unit 2	
EUB254	Studies in Language	
Year 3, S	emester 2: Discipline Unit 3	
EUB255	Literature in Secondary Teaching	
Year 3, Semester 2: Curriculum Unit 2		
EUB320	Curriculum, Pedagogy and Assessment 2: English	
Year 5, Semester 1: Discipline Unit 4		
EUB354	Screen Studies and New Media	
0		
Discipline	and Curriculum Units List	
Code	Title	
Year 2, S	emester 2: Discipline Unit 1	
EUB251	Environment and Society	
Year 2, S	emester 2: Curriculum Unit 1	
EUB223	Curriculum, Pedagogy and Assessment 1: Geography	
Year 3, S	emester 1: Discipline Unit 2	
EUB250	Australian Geographical Studies	
Year 3, S	emester 2: Discipline Unit 3	
EUB351	Space, Population and Territory	
Year 3, Semester 2: Curriculum Unit 2		

Curriculum, Pedagogy and

Assessment 2: Geography

Nations and Nationalism in

Year 5, Semester 1: Discipline Unit 4

Year 2, Semester 2: Discipline Unit 1

Modern Europe

EUB350 Asia in Focus

Title

History Second Teaching Area **Discipline and Curriculum Units List**

EUB323

Code

EUB151

	Year 5, Semester 1: Discipline Unit 4		
	EUB451 Australia, Britain and America		
1	Mathematics Second Teaching Area		
	Discipline and Curriculum Units List		
	Code Title		
: 1	Year 2, Semester 2: Discipline Unit 1		
ł	EUB153 Thinking and Communicating Mathematically		
2	Year 2, Semester 2: Curriculum Unit 1		
3	EUB221 Curriculum, Pedagogy and Assessment 1: Mathematics		
	Year 3, Semester 1: Discipline Unit 2		
2	EUB256 Exploring, Representing and Interpreting Mathematical Change		
	Year 3, Semester 2: Discipline Unit 3		
1	EUB257 Reasoning with Quantity, Space and Shape		
	Year 3, Semester 2: Curriculum Unit 2		
	EUB321 Curriculum, Pedagogy and Assessment 2: Mathematics		
	Year 5, Semester 1: Discipline Unit 4		
1	EUB355 Uncertain Situations		
	In this list		
1	English Second Teaching Area Discipling and Curriquium Units List		
1	Geography Second Teaching Area		
2	Discipline and Curriculum Units List		
	Discipline and Curriculum Units List		

Year 2, Semester 2: Curriculum Unit 1

Year 3, Semester 2: Discipline Unit 3 EUB253 The Classical World

Year 3, Semester 2: Curriculum Unit 2

EUB222

EUB352

EUB322

World

Curriculum, Pedagogy and

Assessment 1: History Year 3, Semester 1: Discipline Unit 2

Medieval Europe and the

Curriculum, Pedagogy and

Assessment 2: History

Units List Mathematics Second Teaching Area Discipline and Curriculum Units List

English Second Teaching Area Discipline and Curriculum Units List		
Code	Title	
Year 3, Semester 2: Discipline Unit 1		
EUB152	Teaching Young Adult Literature	
Year 3, Semester 2: Curriculum Unit 1		
EUB220	Curriculum, Pedagogy and Assessment 1: English	
Year 4, Semester 1: Discipline Unit 2		
EUB254	Studies in Language	
Year 4, Semester 2: Discipline Unit 3		
EUB255	Literature in Secondary	



	Teaching	
Year 4, Semester 2: Curriculum Unit 2		
EUB320	Curriculum, Pedagogy and Assessment 2: English	
Year 5, Semester 1: Discipline Unit 4		
EUB354	Screen Studies and New Media	

Geography Second Teaching Area Discipline and Curriculum Units List Code Title

Year 3, Semester 2: Discipline Unit 1		
EUB251	Environment and Society	
Year 3, Semester 2: Curriculum Unit 1		
EUB223	Curriculum, Pedagogy and Assessment 1: Geography	
Year 4, Semester 1: Discipline Unit 2		
EUB250	Australian Geographical Studies	
Year 4, Semester 2: Discipline Unit 3		
EUB351	3351 Space, Population and Territory	
Year 4, Semester 2: Curriculum Unit 2		
EUB323	Curriculum, Pedagogy and Assessment 2: Geography	
Year 5, Semester 1: Discipline Unit 4		
EUB350	Asia in Focus	

History Second Teaching Area Discipline and Curriculum Units List Code Title

Year 3, Semester 2: Discipline Unit 1		
EUB151	Nations and Nationalism in Modern Europe	
Year 3, Semester 2: Curriculum Unit 1		
EUB222	Curriculum, Pedagogy and Assessment 1: History	
Year 4, Semester 1: Discipline Unit 2		
EUB352	Medieval Europe and the World	
Year 4, Semester 2: Discipline Unit 3		
EUB253	The Classical World	
Year 4, Semester 2: Curriculum Unit 2		
EUB322	Curriculum, Pedagogy and Assessment 2: History	
Year 5, Semester 1: Discipline Unit 4		
EUB451	Australia, Britain and America	

Mathematics Second Teaching Area Discipline and Curriculum Units List		
Code	Title	
Year 3, Semester 2: Discipline Unit 1		
EUB153	Thinking and Communicating Mathematically	
Year 3, Semester 2: Curriculum Unit 1		
EUB221	Curriculum, Pedagogy and Assessment 1: Mathematics	

Year 4, Semester 1: Discipline Unit 2		
EUB256	Exploring, Representing and Interpreting Mathematical Change	
Year 4, Semester 2: Discipline Unit 3		
EUB257	Reasoning with Quantity, Space and Shape	
Year 4, Semester 2: Curriculum Unit 2		
EUB321	Curriculum, Pedagogy and Assessment 2: Mathematics	
Year 5, Semester 1: Discipline Unit 4		
EUB355	Uncertain Situations	



Year	2021
QUT code	ID28
CRICOS	0100982
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$6,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$40,500 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Kerry Manton, Course Coordinator, Bachelor of Biomedical Science Dr Timothy Moroney, Course Coordinator, Bachelor of Mathematics
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- Biology (Units 3 & 4, C)
- Chemistry (Units 3 & 4, C)
- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- · Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

- Biology (Units 3 & 4, C)
- Chemistry (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

Biomedical Science component consists of 96 credit points of core biomedical science studies and either one 72 credit point Biomedical Science Major and 24 credit points of elective units, or two **Biomedical Science Minors (each worth** 48 credit points).

The Mathematics component consists of 96 credit points of core units and 96 credit points of a selected major.

International Course structure

Biomedical Science component consists of 96 credit points of core biomedical science studies and either one 72 credit point Biomedical Science Major and 24 credit points of elective units, or two Biomedical Science Minors (each worth 48 credit points).

The Mathematics component consists of

96 credit points of core units and 96 credit points of a selected major.

Sample Structure **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2

- <u></u>	
Code	Title
Year 1, S	emester 1
LQB187	Human Anatomy
LQB184	Introduction to Biomedical Science
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1, S	emester 2
LQB286	Quantitative Skills for Health Scientists
LSB258	Principles of Human Physiology
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2, S	emester 1
LQB180	Foundations of Biochemistry
LQB186	Human Cell & Molecular Biology
MXB101	Probability and Stochastic Modelling 1
Maths Co	ore Options Unit
Year 2, S	emester 2
LQB292	Principles of Infection and Immunity
LQB280	Genes, Genomes and Genetics
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3, S	emester 1
Biomedic Biomedic	al Sciences Major unit AND al Sciences Elective
Biomedic Biomedic	al Sciences 1st Minor unit AND al Sciences 2nd Minor unit
Maths Major Unit	
Maths Major Unit	

Year 3, Semester 2

Biomedical Sciences Major unit AND **Biomedical Sciences Elective Biomedical Sciences 1st Minor unit AND**



achelor of Biomedical Science/Bachelor of Mathematics

Dachelor of Diomedical Science/L
Biomedical Sciences 2nd Minor unit
Maths Major Unit
Maths Major Unit
Year 4, Semester 1
Biomedical Sciences Major unit AND Biomedical Sciences Major unit
Biomedical Sciences 1st Minor unit AND Biomedical Sciences 2nd Minor unit
Maths Major Unit
Maths Major Unit
Year 4, Semester 2
Biomedical Sciences Major unit AND Biomedical Sciences Major unit
Biomedical Sciences 1st Minor unit AND Biomedical Sciences 2nd Minor unit
Maths Major Unit

Maths Major Unit

Semesters

- Applied and Computational
- Mathematics Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2 . ٠
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 Semester 2 • ٠
- •
- Year 4 Semester 1 Year 4 Semester 2

Code	e Title			
Applied and Computational Mathematics Major unit set:				
Year 1 Se	emester 1			
MXB102	Abstract Mathematical Reasoning			
MXB106	106 Linear Algebra			
Year 1 Se	emester 2			
MXB105	Calculus and Differential Equations			
MXB161	Computational Explorations			
Year 2 Se	emester 1			
MXB101	Probability and Stochastic Modelling 1			
Maths Co	re Options Unit			
Year 2 Se	emester 2			
MXB103	Introductory Computational Mathematics			
MXB107	XB107 Introduction to Statistical Modelling			
Year 3 Se	emester 1			
MXB201	Advanced Linear Algebra			
MXB225	Modelling with Differential Equations 1			
Year 3 Semester 2				
MXB202	Advanced Calculus			
MXB226	Computational Methods 1			
Year 4 Se	emester 1			
MXB322	Partial Differential Equations			

MXB326	Computational Methods 2		
Year 4 Semester 2			
MXB325	Modelling with Differential Equations 2		
MXB328	Work Integrated Learning in Applied and Computational Mathematics		

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 Year 4 Semester 2

Code Title

Operations Research Major unit set:			
Year 1 Semester 1			
Abstract Mathematical Reasoning			
Linear Algebra			
emester 2			
Calculus and Differential Equations			
MXB161 Computational Explorations			
emester 1			
Probability and Stochastic Modelling 1			
ore Options Unit			
emester 2			
Introductory Computational Mathematics			
MXB107 Introduction to Statistical Modelling			
emester 1			
Advanced Linear Algebra			
Introduction to Operations Research			
emester 2			
Advanced Calculus			
Probability and Stochastic Modelling 2			
emester 1			
Optimisation Modelling			
Statistical Inference			
emester 2			
Operations Research for Stochastic Processes			
Work Integrated Learning in Operations Research			

Semesters

- <u>Statistical Science Major unit set:</u>
- Year 1 Semester 1
 Year 1 Semester 2
- Year 2 Semester 1

CodeTitleStatistical Science Major unit set:Year 1 Semester 1MXB102Abstract Mathematical ReasoningMXB106Linear AlgebraYear 1 Semester 2MXB105Calculus and Differential EquationsMXB101Computational ExplorationsYear 2 Semester 1MXB101Probability and Stochastic Modelling 1MXB101Probability and Stochastic Modelling 1MXB103Introductory Computational MathematicsMXB107Introduction to Statistical ModellingYear 3 Semester 1MXB201Advanced Linear AlgebraMXB202Advanced CalculusMXB203Probability and Stochastic ModellingYear 3 Semester 1MXB201Advanced Linear AlgebraMXB242Regression and DesignYear 3 Semester 2MXB202Advanced CalculusMXB241Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	 Year 3 Semester 2 Year 4 Semester 1 Year 4 Semester 2 				
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MXB102Abstract Mathematical ReasoningMXB106Linear AlgebraYear 1 Semester 2MXB105Calculus and Differential EquationsMXB101Computational ExplorationsYear 2 Semester 1MXB101Probability and Stochastic Modelling 1MXB101Probability and Stochastic Modelling 1MXB103Introductory Computational MathematicsMXB107Introductory Computational MathematicsMXB107Introduction to Statistical ModellingYear 3 Semester 1MXB201Advanced Linear AlgebraMXB202Advanced CalculusMXB203Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB341Statistical InferenceMXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	Year 1 Se	emester 1			
MXB106Linear AlgebraYear 1 Semester 2MXB105Calculus and Differential EquationsMXB101Computational ExplorationsYear 2 Semester 1MXB101Probability and Stochastic Modelling 1MAths Core Options UnitYear 2 Semester 2MXB103Introductory Computational MathematicsMXB107Introduction to Statistical ModellingYear 3 Semester 1MXB201Advanced Linear AlgebraMXB222Regression and DesignYear 3 Semester 2MXB202Advanced CalculusMXB203Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	MXB102	Abstract Mathematical Reasoning			
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MXB105Calculus and Differential EquationsMXB161Computational ExplorationsYear 2 Semester 1MXB101Probability and Stochastic Modelling 1Maths Core Options UnitYear 2 Semester 2MXB103Introductory Computational MathematicsMXB107Introductory Computational ModellingYear 3 Semester 1MXB201Advanced Linear AlgebraMXB222Regression and DesignYear 3 Semester 2MXB202Advanced CalculusMXB203Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	Year 1 Se	emester 2			
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MXB101Probability and Stochastic Modelling 1Maths Core Options UnitYear 2 Semester 2MXB103Introductory Computational MathematicsMXB107Introduction to Statistical ModellingYear 3 Semester 1MXB201Advanced Linear AlgebraMXB242Regression and DesignYear 3 Semester 2MXB202Advanced CalculusMXB203Advanced CalculusMXB241Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	Year 2 Se	emester 1			
Maths Core Options UnitYear 2 Semester 2MXB103Introductory Computational MathematicsMXB107Introduction to Statistical ModellingYear 3 Semester 1MXB201Advanced Linear AlgebraMXB242Regression and DesignYear 3 Semester 2MXB202Advanced CalculusMXB203Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	MXB101	Probability and Stochastic Modelling 1			
Year 2 Semester 2MXB103Introductory Computational MathematicsMXB107Introduction to Statistical ModellingYear 3 Semester 1MXB201Advanced Linear AlgebraMXB242Regression and DesignYear 3 Semester 2MXB202Advanced CalculusMXB203Advanced CalculusMXB241Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in 	Maths Co	re Options Unit			
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MXB107Introduction to Statistical ModellingYear 3 Semester 1MXB201Advanced Linear AlgebraMXB242Regression and DesignYear 3 Semester 2MXB202Advanced CalculusMXB201Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	MXB103	Introductory Computational Mathematics			
Year 3 Semester 1MXB201Advanced Linear AlgebraMXB242Regression and DesignYear 3 Semester 2MXB202Advanced CalculusMXB241Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	MXB107	Introduction to Statistical Modelling			
MXB201Advanced Linear AlgebraMXB242Regression and DesignYear 3 Semester 2MXB202Advanced CalculusMXB241Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	Year 3 Se	emester 1			
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Year 3 Semester 2MXB202Advanced CalculusMXB241Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	MXB242	Regression and Design			
MXB202Advanced CalculusMXB241Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	Year 3 Se	emester 2			
MXB241Probability and Stochastic Modelling 2Year 4 Semester 1MXB341Statistical InferenceMXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	MXB202	Advanced Calculus			
Year 4 Semester 1MXB341Statistical InferenceMXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	MXB241	Probability and Stochastic Modelling 2			
MXB341Statistical InferenceMXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	Year 4 Semester 1				
MXB344Generalised Linear ModelsYear 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	MXB341	Statistical Inference			
Year 4 Semester 2MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	MXB344	Generalised Linear Models			
MXB343Modelling Dependent DataMXB348Work Integrated Learning in Statistics	Year 4 Se	emester 2			
MXB348 Work Integrated Learning in Statistics	MXB343	Modelling Dependent Data			
	MXB348	Work Integrated Learning in Statistics			

 Year 2 Semester 2 Year 3 Semester 1

Semesters

- <u>Core Units</u>
- Option Units

Code	Ille	
Course Notes		
Students credit poir points opt	undertake 72 credit points - 36 nts core units and 36 credit tion units	
Core Units		
LQB382	Developmental Anatomy and	

	Tissue Adaptation		
LQB482	Anatomical Imaging		
LQB670	Anatomical Dissection		
Option Units			
Choose 36 credit points from:			
LQB570	Forensic Anatomy		
LQB571	Neuroscience		



This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=ID28&id=37096. CRICOS No.00213J

Bachelor of Biomedical Science/Bachelor of Mathematics

LQB671	Histological Research Techniques
LQB502	Biomedical Work Integrated Learning A

Semesters

- <u>Core Units</u>
- Option Units

Code Title **Course Notes** Students undertake 72 credit points - 36 credit points core units and 36 credit points from option units Core Units Molecular Biology and LQB385 **Bioinformatics** LQB485 Cell Biology Advances in Medical LQB684 Biotechnology **Option Units** Choose 36 credit points from: LQB583 Molecular Systems Biology LQB595 Cellular Engineering LQB601 Cancer Biology **Biomedical Work Integrated** LQB502 Learning A

Semesters

- <u>Core Units</u>
- Option Units

Code Title Course Notes Students undertake 72 credit points - 36 credit points core units and 36 credit points from option units

Core Units		
LQB381	Biochemistry	
LQB481	Biochemical Pathways and Metabolism	
LQB681	Biomolecular Research Skills	
Option Ur	nits	
Choose 3	6 credit points from:	
LQB581	Biomolecular Control Systems	
LQB582	Biomedical Research Technologies	
LQB682	Biomolecular Design	
LQB502	Biomedical Work Integrated Learning A	

Semesters

- <u>Core units</u>
- Option units

Code		Title
Course	Ν	otes

Students undertake 72 credit points - 36 credit points core units and 36 credit points from option units

36 credits points comprising:			
LQB388	Medical Physiology 1		
LQB488	Medical Physiology 2		
LQB608	Extreme Physiology		
Option units			
Choose 36 credit points from:			
LQB508	Clinical Physiology and Pathophysiology		
LQB571	Neuroscience		
LQB600	Physiological Basis of Pharmacology		
LQB502	Biomedical Work Integrated Learning A		

Semesters

<u>Core units</u>

Option units

Code Title Course Notes

Students undertake 72 credit points - 36 credit points core units and 36 credit points from option units Core units

LQB362	Principles and Practice of Infectious Diseases	
LQB494	Pathogen Biology and Pathogenesis	
LQB694	Infectious Disease Outbreaks	
Option units		
Choose 36 credit points from:		
LQB583	Molecular Systems Biology	
LQB594	Pathogen Diagnosis and Therapeutics	
LQB693	Immunological Approaches for Infection and Immunity	
LQB502	Biomedical Work Integrated Learning A	

Semesters

- <u>Core units</u>
- Option units

Code Title

Course Notes

Students complete 48 credit points - 24 credit points core units and 24 credit points option units

Core units		
LQB382	Developmental Anatomy and Tissue Adaptation	
LQB482	Anatomical Imaging	
Option units		
Choose 24 credit points from:		
LQB570	Forensic Anatomy	
LQB571	Neuroscience	
LQB671	Histological Research Techniques	

LQB503	Biomedical Work Integrated Learning B	
Semeste • <u>Core</u> • <u>Opti</u>	ers e units on units	
Code	Title	
Course N	lotes	
Students credit poi points op	complete 48 credit points - 24 nts core units and 24 credit tion units	
Core units		
LQB385	Molecular Biology and Bioinformatics	
LQB485	Cell Biology	
Option units		
Choose 24 credit points from:		
LQB503	Biomedical Work Integrated Learning B	
LQB583	Molecular Systems Biology	
LQB595	Cellular Engineering	
LOB601	Cancer Biology	

Advances in Medical

Biotechnology

Semesters

LQB684

- <u>Core Units</u>
- Option Units

Code	Title	
Course N	otes	
Students complete 48 credit points - 36 credit points core units and 12 credit points option units		
Core Unit	s	
LQB504 -1	Clinical Physiology Professional Internship	
LQB504 -2	Clinical Physiology Professional Internship	
LQB504 -3	Clinical Physiology Professional Internship	
Option Units		
Choose one unit from:		
LQB362	Principles and Practice of Infectious Diseases	
LQB381	Biochemistry	
LQB382	Developmental Anatomy and Tissue Adaptation	
LQB385	Molecular Biology and Bioinformatics	

Semesters

- Core units
 - Option units

Code Title

Course Notes

Students complete 48 credit points - 24 credit points core units and 24 credit



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Bachelor of Biomedical Science/Bachelor of Mathematics

points option units		
Core units		
Biochemistry		
Biochemical Pathways and Metabolism		
Option units		
24 credit points from:		
Biomolecular Control Systems		
Biomedical Research Technologies		
Biomolecular Research Skills		
Biomolecular Design		
Biomedical Work Integrated Learning B		

Semesters

- <u>Core units</u>
 <u>Option units</u>

Code	Title	
Course Notes		
Students complete 48 credit points - 24 credit points core units and 24 credit points option units		
Core units		
LQB388	Medical Physiology 1	
LQB488	Medical Physiology 2	
Option units		
24 credit points from:		
LQB503	Biomedical Work Integrated Learning B	
LQB508	Clinical Physiology and Pathophysiology	
LQB571	Neuroscience	
LQB600	Physiological Basis of Pharmacology	
LQB608	Extreme Physiology	

Semesters

- Core units
- Option units

Coue	The	
Course Notes		
Students complete 48 credit points - 24 credit points core units and 24 credit points option units		
Core units	5	
LQB362	Principles and Practice of Infectious Diseases	
LQB494	Pathogen Biology and Pathogenesis	
Option units		
24 credit points from:		
LQB583	Molecular Systems Biology	
LQB594	Pathogen Diagnosis and Therapeutics	
LQB693	Immunological Approaches for Infection and Immunity	

LQB694	Infectious Disease Outbreaks	
LQB503	Biomedical Work Integrated Learning B	

Code	Title
Indigenous Knowledges Minor	
KKB190	Yatdjuligin - Cultural Safety in Indigenous Australian Context
KKB191	Am I black enough? Indigenous Australian Representations
KKB192	Smash the Act - Indigenous Australian Politics
KKB193	Indigenous Knowledge: Research Ethics and Protocols

Semesters

- Human Anatomical Sciences
- Cell and Molecular Biology
- Human Biochemistry
- Human Physiology
- Infectious Diseases
- General Options

	T '0	
Code	Title	
Human A	natomical Sciences	
LQB382	Developmental Anatomy and Tissue Adaptation	
LQB482	Anatomical Imaging	
Cell and Molecular Biology		
LQB385	Molecular Biology and Bioinformatics	
LQB485	Cell Biology	
Human B	iochemistry	
LQB381	Biochemistry	
LQB481	Biochemical Pathways and Metabolism	
Human P	hysiology	
LQB388	Medical Physiology 1	
LQB488	Medical Physiology 2	
Infectious	Diseases	
LQB362	Principles and Practice of Infectious Diseases	
LQB494	Pathogen Biology and Pathogenesis	
General Options		
LQB502	Biomedical Work Integrated Learning A	
LQB503	Biomedical Work Integrated Learning B	
Other units may be chosen with the approval of the course coordinator		



Year	2021
QUT code	ID29
CRICOS	103857E
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$10,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,700 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

This course combines the Bachelor of Business and the Bachelor of Data Science degrees. The business degree is uniquely designed to inspire students to realise their potential, to think entrepreneurially, and to ethically and sustainably shape the future of business. Students will develop core business capabilities and undertake focused and authentic study in their chosen business discipline. The data science component covers the necessary theory and the practical tools for data acquisition, storage, management, processing, analysis and visualisation. Ethical considerations, communication, collaboration and critical thinking skills are all given first-class coverage.

Course structures will be available soon.

International Course structure

This course combines the Bachelor of Business and the Bachelor of Data Science degrees. The business degree is uniquely designed to inspire students to realise their potential, to think entrepreneurially, and to ethically and sustainably shape the future of business. Students will develop core business capabilities and undertake focused and authentic study in their chosen business discipline. The data science component covers the necessary theory and the practical tools for data acquisition, storage, management, processing, analysis and visualisation. Ethical considerations, communication, collaboration and critical thinking skills are all given first-class coverage.

Course structures will be available soon.

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title	
Year 1, S	emester 1	
BSB107	Financial Performance and Responsibility	
BSB108	Business Environment	
Year 1, S	emester 2	
BSB111	Business Law and Ethics	
BSB110	Accounting	
Accountancy students undertake BSB110 and BSB111 as the Core Option Units to ensure professional accreditation.		
Year 2, S	emester 1	
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 2, S	emester 2	
AYB225	Management Accounting	
AYB200	Financial Accounting	
Year 3, Semester 1		
AYB221	Accounting Systems and Analytics	
EFB210	Finance 1	
Year 3, S	emester 2	
AYB230	Corporations Law	
AYB219	Taxation Law	
Year 4, Semester 1		
AYB321	Strategic Management Accounting	
AYB340	Company Accounting	
Year 4, S	emester 2	



Bachelor of Business / Bachelor of Data Science

AYB311	Financial Accounting Issues
AYB301	Audit and Assurance

Semesters

- Year 1, Semester 1
- Year 1, Semester 2 Year 2, Semester 1 .
- Year 2, Semester 2 •
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2 Core Options Units List: •

Codo	Title	
Coue	The	
Year 1, S	emester 1	
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, S	emester 2	
BSB107	Financial Performance and Responsibility	
Select a unit from the Core Options Unit List		
Year 2, S	emester 1	
AMB200	Consumer Behaviour	
AMB201	Marketing and Audience Analytics	
Year 2, S	emester 2	
AMB220	Advertising Works	
BSB108	Business Environment	
Year 3, S	emester 1	
AMB319	Consumers and Media Channels	
BSB250	Business Citizenship	
Year 3, S	emester 2	
AMB318	Create Advertising	
Select a unit from the Core Options Unit		
Year 4, S	emester 1	
AMB320	Advertising Management	
AMB330	Digital Optimisation	
Year 4 S	emester 2	
AMB330	Advertising Campaigns	
AIVID559	Advertising Campaigns	
BSB399	Capstone	
Core Opt	ions Units List:	
Select tw	o units (24 credit points) from	
the follow	ving:	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

"Select a unit from the Economics

Options List or the Core Options Unit List" is repeated 5 times in this course progression. Please note that there are two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groupsmay be undertaken.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2 .
- Year 4, Semester 1
- Year 4, Semester 2
- <u>Core Options Units</u>
- Economics Options List

Code Title Year 1, Semester 1 BSB106 Dynamic Markets BSB105 The Future Enterprise Year 1, Semester 2 BSB108 Business Environment Financial Performance and **BSB107** Responsibility Year 2, Semester 1 Introduction to Applied **EFB222** Econometrics Select a unit from the Core Options Unit List or The Economics Options List *Students undertake EFB222 as one of the Economics Options Units. Year 2, Semester 2 EFB223 Economics 2 Select a unit from the Core Options Unit List or The Economics Options List Year 3, Semester 1 EFB331 Intermediate Microeconomics Select a unit from the Core Options Unit List or The Economics Options List Year 3, Semester 2 BSB250 Business Citizenship

Select a unit from the Core Options Unit List or The Economics Options List Year 4, Semester 1 Real World Ready - Business **BSB399** Capstone EFB330 Intermediate Macroeconomics Year 4, Semester 2 Contemporary Application of **EFB338** Economic Theory Select a unit from the Core Options Unit List or The Economics Options List **Core Options Units** Select two units (24 credit points) from the following:

BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	
Economi	cs Options List	
Select for	ur units (48 credit points) from	
the Quan	titative and/or Applied	
Economi	cs Units List:	
EFB222	Introduction to Applied Econometrics	
EFB332	Applied Behavioural Economics	
EFB333	Applied Econometrics	
EFB337	Game Theory and Applications	
EFB201	Financial Markets	
EFB225	Economics for the Real World	
EFB226	Environmental Economics and Policy	
EFB336	International Economics	
Semesters • Year 1, Semester 1 • Year 1, Semester 2 • Year 2, Semester 1 • Year 2, Semester 2 • Year 3, Semester 1 • Year 4, Semester 1 • Year 4, Semester 2 • Core Options Units		
Code	Title	
Year 1, S	emester 1	
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Year 1, S	emester 2	
BSB108	Business Environment	
Select a unit from the Core Options Unit List		
Year 2, S	emester 1	
Year 2, S BSB105	emester 1 The Future Enterprise	
Year 2, S BSB105 EFB210	emester 1 The Future Enterprise Finance 1	
Year 2, S BSB105 EFB210 Year 2, S	emester 1 The Future Enterprise Finance 1 emester 2	
Year 2, S BSB105 EFB210 Year 2, S EFB201	emester 1 The Future Enterprise Finance 1 emester 2 Financial Markets	

Year 3, Semester 1	
EFB343	Corporate Finance
EFB335	Investments

Year 3, <u>Semester 2</u> **Business Citizenship BSB250** EFB312 International Finance

the university

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Bachelor of Business / Bachelor of Data Science

Year 4, Semester 1		
BSB399	Real World Ready - Business Capstone	
EFB223	Economics 2	
Year 4, S	emester 2	
EFB360	Finance Capstone	
EFB344	Risk Management and Derivatives	
Core Opti	ions Units	
Select two the follow	o units (24 credit points) from ing:	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 Year 3, Semester 1 ٠
- ٠
- Year 3, Semester 2 ٠
- Year 4, Semester 1 ٠
- ٠ Year 4, Semester 2
- Core Options Units List •

Code	Title		
Year 1, S	Year 1, Semester 1		
BSB107	Financial Performance and Responsibility		
BSB108	Business Environment		
Year 1, S	emester 2		
BSB105	The Future Enterprise		
BSB106	Dynamic Markets		
Year 2, S	emester 1		
BSB111	Business Law and Ethics		
Select a u	unit frm the Core Options List		
Note: Financial Planning students undertake BSB111 as one of the two Core Options Units for professional accreditation purposes			
Year 2, S	emester 2		
AYB219	Taxation Law		
EFB210	Finance 1		
Year 3, S	emester 1		
AYB250	Personal Financial Planning		
BSB250	Business Citizenship		
Year 3, S	Year 3, Semester 2		
AYB232	Financial Services Regulation and Law		
AYB240	Superannuation and Retirement Planning		
Year 4, Semester 1			

EFB227	Insurance, Risk Management and Estate Planning	
EFB345	Managing Investments and Client Relationships	
Year 4, S	emester 2	
AYB346	Financial Plan Construction (Capstone)	
BSB399	Real World Ready - Business Capstone	
Core Opt	ions Units List	
Financial Planning students select BSB111 and one other (12 credit points) from the Core Options Units List		
BSB111	Business Law and Ethics	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- . Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Unit Options List

Code	Title	
Year 1, S	emester 1	
BSB105	The Future Enterprise	
BSB108	Business Environment	
Year 1, S	emester 2	
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Year 2, S	emester 1	
MGB21 4	Introducing People Management and Analytics	
MGB20 0	Managing People	
Year 2, S	emester 2	
MGB22 9	Obligations and Options for Employing People	
Select a unit from the Core Options Unit List		
Year 3, S	emester 1	
BSB250	Business Citizenship	
MGB23 0	Recruiting and Selecting People	
Year 3, S	emester 2	
MGB33 1	Developing People	
MGB33	Managing Performance and	

9	Rewards	
Year 4, Semester 1		
BSB399	Real World Ready - Business Capstone	
Select one unit (12 credit points) from the following:		
MGB31 0	Managing Sustainable Change	
MGB33 8	Workplace Learning	
MGB30 6	Independent Study	
Year 4, Semester 2		
MGB37 2	Creating Value through People	
Select a unit from the Core Options Unit List		
Core Unit	Options List	
Select two units (24 credit points) from the Core Options Unit List:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- Year 1, Semester 1
 Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
 Year 3, Semester 2
- Year 4, Semester 1
 Year 4, Semester 2
- Core Options Units

Code	Title	
Year 1, Semester 1		
BSB106	Dynamic Markets	
BSB108	Business Environment	
Year 1, Semester 2		
BSB105	The Future Enterprise	
BSB107	Financial Performance and Responsibility	
Year 2, Semester 1		
AMB210	Importing and Exporting	
Select a unit frm the Core Options List		
Year 2, Semester 2		
MGB22 5	Intercultural Communication and Negotiation Skills	
Select a unit from the Core Options Unit list		
Year 3, Semester 1		
AYB227	International Accounting	



This information is correct as at 16/12/2021. For the most up-to-date course information, visit

https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=ID29&id=38391. CRICOS No.00213J

Bachelor of Business / Bachelor of Data Science

BSB250	Business Citizenship		
Year 3, S	emester 2		
EFB240	Finance for International Business		
MGB34 0	International Business in the Asia-Pacific		
Year 4, S	Year 4, Semester 1		
AMB303	International Logistics		
AMB336	International Marketing		
Year 4, Semester 2			
AMB369	International Business Strategy		
BSB399	Real World Ready - Business Capstone		
Core Opti	ions Units		
Select two units (24 credit points) from the following:			
BSB130	Social Enterprises		
BSB131	Applied Business Analytics		
BSB305	Undergraduate Business Internship		
BSB110	Accounting		
BSB111	Business Law and Ethics		
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills		

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1 ٠
- Year 4, Semester 2 •
- Core Options Units List

Code	Title	
Year 1, Semester 1		
BSB105	The Future Enterprise	
BSB108	Business Environment	
Year 1, Semester 2		
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Year 2, Semester 1		
MGB22 5	Intercultural Communication and Negotiation Skills	
MGB20 0	Managing People	
Year 2, Semester 2		
MGB22 6	Innovation, Knowledge and Creativity	
Select a unit from the Core Options Unit list		
Year 3, S	emester 1	
BSB250	Business Citizenship	
Select one of the following:		

MGB21 0	Managing Operations	
MGB22 7	Entrepreneurship	
Students undertaking the Management stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete		
Year 3 S	emester 2	
Select a u List	unit from the Core Options Unit	
Select one of the following:		
MGB33 5	Managing Projects	
MGB32 4	Managing Business Growth	
Students undertaking the Management stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324.		
Year 4, S	emester 1	
MGB34 1	Managing Risk	
BSB399	Real World Ready - Business Capstone	
Year 4, S	emester 2	
MGB30 9	Managing Strategically	
Select on	e of the following:	
MGB31 0	Managing Sustainable Change	
MGB33 8	Workplace Learning	
Core Opti	ions Units List	
Select two the follow	o units (24 credit points) from ing:	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	
Semeste • Year	e rs r 1, Semester 1	

- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 •
- Year 4, Semester 1 ٠
- Year 4, Semester 2 Core Options Units List

Code Title Year 1, Semester 1

BSB106	Dynamic Markets		
BSB105	The Future Enterprise		
Year 1, S	Year 1, Semester 2		
BSB107	Financial Performance and Responsibility		
Select a u List	Select a unit from the Core Options Unit List		
Year 2, S	emester 1		
BSB108	Business Environment		
Select a unit from the Core Options List			
Year 2, S	emester 2		
AMB200	Consumer Behaviour		
AMB240	Marketing Planning and Management		
Year 3, S	Year 3, Semester 1		
AMB202	Integrated Marketing Communication		
AMB201	Marketing and Audience Analytics		
Year 3, Semester 2			
BSB250	Business Citizenship		
AMB330	Digital Optimisation		
Year 4, Semester 1			
AMB340	Services Marketing		
AMB336	International Marketing		
Year 4, Semester 2			
BSB399	Real World Ready - Business Capstone		
AMB359	Strategic Marketing		
Core Opt	ions Units List		
Select two units (24 credit points) from the following:			
BSB130	Social Enterprises		
BSB131	Applied Business Analytics		
BSB305	Undergraduate Business Internship		
BSB110	Accounting		
BSB111	Business Law and Ethics		
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills		

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List

Title Code Year 1, Semester 1 BSB106 Dynamic Markets RSR105 The Eutu e Ente se

	to priot

Year 1, Semester 2



Bachel	or of Business / Bachelor o	of Data Science
BSB108	Business Environment	
DOD107	Financial Performance and	
D3D107	Responsibility	
Year 2, S	emester 1	
AMB264	Media Relations and Publicity	
AMB263	Introduction to Public Relations	
Year 2, S	emester 2	
AMB201	Marketing and Audience Analytics	
AMB372	Public Relations Planning	
Year 3, S	emester 1	
BSB250	Business Citizenship	
AMB374	Global Public Relations Cases	
Year 3, S	emester 2	
AMB375	Internal Communication and Change	
Select a u List	unit from the Core Options Unit	
Year 4, S	emester 1	
BSB399	Real World Ready - Business Capstone	
AMB373	Issues, Stakeholders and Reputation	
Year 4, S	emester 2	
AMB379	Public Relations Campaigns	
Select a u List	unit from the Core Options Unit	
Core Opt	ions Units List	
Select tw the follow	o units (24 credit points) from ring:	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and	



Year	2021
QUT code	ID30
CRICOS	103858D
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$8,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- · Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

This course allows students to combine their interest in the property industry in the Australian and international economy with a data science degree and graduate with a diverse set of skills to enhance employment options in both fields. Across this double degree, students benefit from meaningful connections with high profile industry employers, practical and effective hands-on learning experiences during their studies, classes with leading and expert teachers, international study and placement opportunities, and the convenience of a city-based campus.

Course structures will be available soon.

International Course structure

This course allows students to combine their interest in the property industry in the Australian and international economy with a data science degree and graduate with a diverse set of skills to enhance employment options in both fields. Across this double degree, students benefit from

meaningful connections with high profile industry employers, practical and effective hands-on learning experiences during their studies, classes with leading and expert teachers, international study and placement opportunities, and the convenience of a city-based campus.

Course structures will be available soon.

Sample Structure **Semesters**

- Year 1, Semester 1
 - Year 1, Semester 2
 - Year 2, Semester 1 Year 2, Semester 2

 - Year 3, Semester 1
 - Year 3, Semester 2
 - Year 4, Semester 1
 - Year 4, Semester 2

Code	Title	
Year 1, Semester 1		
USB142	Residential Valuation	
BSB113	Economics	
Data Science Unit		
Data Science Unit		
Year 1, S	emester 2	
USB145	Property Transactions	
USB144	Investment Valuation	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 2, S	emester 1	
USB143	Money and Wealth	
UXB110	Residential Construction	
Data Science Unit		
Data Science Unit		
Year 2, Semester 2		
USB141	Building Big	
UXB134	Land Use Planning	
Data Science Unit		
Data Science Unit		
Year 3, S	emester 1	
USB240	Market Analysis	
USB247	Money and Property	
Data Scie	ence Unit	
Data Science Unit		
Year 3, Semester 2		
USB244	Asset Performance	
USB245	Property Investment Analysis	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 4, S	emester 1	
USB300	Property Development	
USB345	Specialised Valuation	
Data Science Unit		



Bachelor of Data Science / Bachelor of Property Economics

Data Science Unit	
Year 4, Semester 2	
USB344	Property Project
BSB305	Undergraduate Business Internship
Data Science Unit	
Data Science Unit	

Internship		
USB345 Specialised Valuation		
Data Science Unit		
Data Science Unit		

Semesters

- Year 1, Semester 1 (Jul)
- Year 1, Semester 2 (Feb)
 Year 2, Semester 1 (Jul)
- Year 2, Semester 2 (Feb)
 Year 3, Semester 1 (Jul)
- Year 3, Semester 2 (Feb) ٠
- Year 4, Semester 1 (Jul) Year 4, Semester 2 (Feb)

Code	Title	
Year 1, S	emester 1 (Jul)	
USB142	Residential Valuation	
USB145 Property Transactions		
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 1, S	emester 2 (Feb)	
BSB113	Economics	
USB143	Money and Wealth	
Data Science Unit		
Data Scie	ence Unit	
Year 2, S	emester 1 (Jul)	
USB144	Investment Valuation	
USB141	Building Big	
Data Scie	ence Unit	
Data Science Unit		
Year 2, S	emester 2 (Feb)	
UXB110	Residential Construction	
USB240	Market Analysis	
Data Science Unit		
Data Science Unit		
Year 3, S	emester 1 (Jul)	
UXB134	Land Use Planning	
USB240	Market Analysis	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 3, S	emester 2 (Feb)	
USB247	Money and Property	
USB300	Property Development	
Data Scie	ence Unit	
Data Science Unit		
Year 4, S	emester 1 (Jul)	
056245	Property Investment Analysis	
USB244	Asset Performance	
Data Scle		
	amostor 2 (Eab)	
	Undergraduate Rusiness	
BSB305	Undergraduate Dusiness	



Year	2021
QUT code	ID31
CRICOS	103859C
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$8,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Communication; phone +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiries (Information Technology); phone: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication and 192 credit points from the Bachelor of Data Science. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) from one of the following disciplines: Digital Media, Entertainment Industries, Journalism, or Professional Communication.

Data science component

You will complete 192 credit points of Data Science core units.

Study overseas

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Communication and 192 credit points from the Bachelor of Data Science. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

- four core units (48 credit points)
- a communication major (144 credit points) from one of the following disciplines: Digital Media, Entertainment Industries, Journalism, or Professional Communication.

Data science component

You will complete 192 credit points of Data Science core units.

Study overseas

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure

Semesters

- <u>Semester 1 (February)</u> commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- <u>Year 3, Semester 1</u>
 <u>Year 3, Semester 2</u>
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code Title



Bachelor of Communication / Bachelor of Data Science

Year 1, Semester 1CYB101Introduction to CommunicationCYB102Introduction to Media and Entertainment IndustriesData Science UnitData Science UnitYear 1, Semester 2CYB103CYB104Managing Social MediaData Science UnitData Science UnitNote: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.Year 2, Semester 1CCB101Media Issues and DebatesCYB105Understanding AudiencesData Science UnitData Scie	Schester	1 (February) commencements
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Year 1, S	emester 2
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Data Scie	ence Unit
Data Scie	ence Unit
Year 2, S	emester 1
0)/D404	Introduction to
CYB101	Communication
CYB102	Introduction to Media and Entertainment Industries
Data Scie	ence Unit
Data Scie	ence Unit
Note: Stu	dents considering studying
overseas	in Year 3 Semester 1 must
apply by	
Year 2, S	emester 2
CCB102	Multi-Media Design
CYB106	Global Media and Entertainment Industries
Data Scie	ence Unit
Data Scie	ence Unit
Year 3, S	emester 1
CCB101	Media Issues and Debates
CYB105	Understanding Audiences
Data Scie	ence Unit
Data Scie	ence Unit
Year 3. S	emester 2
CCB201	Australian Media
CCB204	Communication Planning and Practice
Data Scie	ence Unit
Data Scie	ence Unit
Year 4. S	emester 1
CCB200	Digital Platforms
CCB202	Social Media Self and Society
Data Scie	ence I Init
Data Sole	
rear 4, S	
CCB302	Digital Media Analytics
CCB303	Digital Media Project
Data Scie	
Data Scie	ence Unit
Year 5, S	emester 1
CCB301	Communication Research Methods
One unit Learning KKB350):	from the Work Integrated Unit Options List (KKB341 or
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Data Scie	ence Unit
Data Science Unit	

Semester 1 (February) commencements Year 1, Semester 1 Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 Semester 2 (July) commencements • Year 1, Semester 2 Year 2, Semester 1

Semesters

- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1
- Year 4, Semester 2
 Year 5, Semester 1

Code	Title	
Semester	1 (February) commencements	
Year 1, Semester 1		
CYB101	Introduction to Communication	
CYB102	Introduction to Media and Entertainment Industries	
Data Science Unit		
Data Science Unit		
Year 1, S	emester 2	
CYB103	Communication Theory and Practice	
CYB104	Managing Social Media	
Data Scie	ence Unit	
Data Scie	ence Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November		
Year 2, S	emester 1	
CDB101	Managing Media and Entertainment	
CYB105 Understanding Audiences		
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 2, S	emester 2	
CYB106	Global Media and Entertainment Industries	
LWS009	Introduction to Law	
Data Scie	ence Unit	
Data Science Unit		
Year 3, S	emester 1	
CDB201	Entertainment Strategy	
LWS008	Entertainment Law	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 3, S	emester 2	
CDB202	Entertainment Cultures	
CCB201	Australian Media	
Data Science Unit		

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Bachelor of Communication / Bachelor of Data Science

Data Science Unit Data Science Unit

Data Science Unit		
Year 4, S	emester 1	
CDB301	Critical Issues in the Entertainment Industries	
CDB302	Entertainment Project 1: Pre- Production	
Data Science Unit		
Data Scie	ence Unit	
Year 4, S	emester 2	
CDB303	Entertainment Project 2: Production	
One unit	from the Work Integrated	
Learning KKB350):	Unit Options List (KKB341 or	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
Data Scie	ence Unit	
Data Scie		
Semester	2 (July) commencements	
rear 1, S	Communication Theory and	
CYB103	Practice	
CYB104	Managing Social Media	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 2, S	emester 1	
CYB101	Introduction to Communication	
CYB102	Introduction to Media and Entertainment Industries	
Data Scie	ence Unit	
Data Science Unit		
Note: Stu	dents considering studying	
apply by	In Year 3 Semester 1 must	
Year 2 S	emester 2	
1001 <i>2</i> , 0	Global Media and	
CYB106	Entertainment Industries	
LVVS009	Introduction to Law	
Data Scie		
rear 3, S	Managing Media and	
CDB101	Entertainment	
CYB105	Understanding Audiences	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 3, S	emester 2	
CDB202	Entertainment Cultures	
CCB201	Australian Media	
Data Scie	ence Unit	
Data Science Unit		
Year 4, S	emester 1	
CDB201	Entertainment Strategy	
LWS008	Entertainment Law	

Year 4, Semester 2		
CDB303	Entertainment Project 2: Production	
One unit f Learning	from the Work Integrated Unit Options List (KKB341 or	
KKB350):		
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
Data Scie	ence Unit	
Data Science Unit		
Year 5, S	emester 1	
CDB301	Critical Issues in the Entertainment Industries	
CDB302	Entertainment Project 1: Pre- Production	
Data Scie	ence Unit	
Data Scie	ence Unit	
 Sem com Yeau 	lester 1 (February) mencements 1, Semester 1 1, Semester 2 2, Semester 2 3, Semester 2 4, Semester 2 14, Semester 2 14, Semester 2 14, Semester 2 14, Semester 2 15, Semester 1 17, Semester 2 17, Semester 2 17	
Code	Title	
Semester	1 (February) commencements	
Year 1, S	emester 1	
CJB101	Newswriting	
CYB101	Introduction to Communication	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 1, S	emester 2	
CYB103	Communication Theory and Practice	
LWS011	Journalism Law	
Data Scie	ence Unit	
Data Scie	ence Unit	
Note: Stu	dents considering studying	
overseas	in Year 2 Semester 2 must 1 November	
Year 2 S	emester 1	
CJB102	Visual Journalism	
CVB102	Introduction to Media and	
	A REAL AND A	

	Entertainment Industries
Data Scie	ence Unit
Data Science Unit	
Year 2, S	emester 2
CJB103	Journalistic Inquiry
CYB104	Managing Social Media
Data Scie	ence Unit
Data Scie	ence Unit
Year 3, S	emester 1
CJB201	Feature Writing
CJB202	Production Journalism
Data Scie	ence Unit
Data Scie	ence Unit
Year 3, S	emester 2
CJB203	Newsroom
Data Scie	ence Unit
Data Scie	ence Unit
Year 4, S	emester 1
CJB302	Newsdesk
Data Scie	ence Unit
Data Scie	ence Unit
Year 4, S	emester 2
CJB204	Journalism Ethics and Issues
CJB301	International Newsdesk
Data Scie	ence Unit
Data Scie	ence Unit
Semester	2 (July) commencements
Year 1, S	emester 2
CYB103	Practice
CYB104	Managing Social Media
Data Scie	ence Unit
Data Scie	ence Unit
Year 2, S	emester 1
CJB101	Newswriting
CYB101	Introduction to
Data Cal	
Data Scle	
Noto: St.	
overseas	in Year 3 Semester 1 must
apply by	1 June.
	emester 2
Year 2, S	
Year 2, S CJB103	Journalistic Inquiry
Year 2, S CJB103 LWS011	Journalistic Inquiry Journalism Law
Year 2, S CJB103 LWS011 Data Scie	Journalistic Inquiry Journalism Law nce Unit
Year 2, S CJB103 LWS011 Data Scie Data Scie	Journalistic Inquiry Journalism Law nce Unit nce Unit
Year 2, S CJB103 LWS011 Data Scie Data Scie Year 3, S	Journalistic Inquiry Journalism Law ence Unit ence Unit emester 1
Year 2, S CJB103 LWS011 Data Scie Year 3, S CJB102	Journalistic Inquiry Journalism Law ence Unit emester 1 Visual Journalism
Year 2, S CJB103 LWS011 Data Scie Data Scie Year 3, S CJB102 CYB102	Journalistic Inquiry Journalism Law ence Unit emester 1 Visual Journalism Introduction to Media and Entertainment Industries
Year 2, S CJB103 LWS011 Data Scie Data Scie Year 3, S CJB102 CYB102 Data Scie	Journalistic Inquiry Journalism Law ence Unit emester 1 Visual Journalism Introduction to Media and Entertainment Industries ence Unit
Year 2, S CJB103 LWS011 Data Scie Year 3, S CJB102 CYB102 Data Scie Data Scie	Journalistic Inquiry Journalism Law ence Unit emester 1 Visual Journalism Introduction to Media and Entertainment Industries ence Unit ence Unit



Bachelor of Communication / Bachelor of Data Science

CJB203	Newsroom	
Data Science Unit		
Data Science Unit		
Year 4, Semester 1		
CJB201	Feature Writing	
CJB202	Production Journalism	
Data Science Unit		
Data Science Unit		
Year 4, S	emester 2	
CJB204	Journalism Ethics and Issues	
CJB301	International Newsdesk	
Data Science Unit		
Data Science Unit		
Year 5, Semester 1		
CJB302	Newsdesk	
Data Science Unit		
Data Science Unit		

Semesters

• Semester 1 (February) commencements Year 1, Semester 1 Year 1, Semester 2 • ٠ Year 2, Semester 1 ٠ • Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2 • ٠ Year 4, Semester 1 • • Year 4, Semester 2 Semester 2 (July) commencements ٠ Year 1, Semester 2 Year 2, Semester 1 ٠ Year 2, Semester 2 Year 3, Semester 1 ٠ ٠ Year 3, Semester 2 Year 4, Semester 1 ٠ • Year 4, Semester 2 • Year 5, Semester 1 Code Title Semester 1 (February) commencements Year 1, Semester 1 Introduction to CYB101 Communication Introduction to Media and **CYB102 Entertainment Industries** Data Science Unit

Data Science Unit		
Year 1, Semester 2		
CYB103	Communication Theory and Practice	
CYB104	Managing Social Media	
Data Science Unit		
Data Science Unit		
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.		
Year 2, Semester 1		
CWB10	Communication and Composition: Introduction to	

	Academic Writing	
CWB10 2	Influence and Persuasion	
Data Scie	ence Unit	
Data Science Unit		
Year 2, S	emester 2	
CCB102	Multi-Media Design	
CWB10 3	Interpersonal and Intercultural Negotiation	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 3, S	emester 1	
CCB203	Strategic Speech	
000200	Communication	
CWB20 2	Rhetoric: Public Communication Skills	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 3, S	emester 2	
CCB204	Communication Planning and Practice	
CWB20 1	Corporate Writing and Editing	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 4, S	emester 1	
CWB30	Political Communication	
1 CWB30	Political Communication	
3	Communication Project	
Data Saia	noo Linit	
Data Scie	ence Unit	
Data Scie Data Scie	ence Unit ence Unit	
Data Scie Data Scie Year 4, S	ence Unit ence Unit emester 2	
Data Scie Data Scie Year 4, S CWB30 2	ence Unit ence Unit emester 2 Advanced Corporate Communication	
Data Scie Data Scie Year 4, S CWB30 2 One unit 1 Learning KKB350):	ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or	
Data Scie Data Scie Year 4, S CWB30 2 One unit 1 Learning KKB350): KKB341	ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1	
Data Scie Data Scie Year 4, S CWB30 2 One unit 1 Learning KKB350): KKB341 KKB350	ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour	
Data Scie Data Scie Year 4, S CWB30 2 One unit f Learning KKB350): KKB341 KKB350 Data Scie	ence Unit ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit	
Data Scie Data Scie Year 4, S CWB30 2 One unit 1 Learning KKB350): KKB341 KKB350 Data Scie Data Scie	ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit	
Data Scie Data Scie Year 4, S CWB30 2 One unit 1 Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit 2 (July) commencements	
Data Scie Data Scie Year 4, S CWB30 2 One unit f Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester Year 1, S	ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit ence Unit 2 (July) commencements emester 2	
Data Scie Data Scie Year 4, S CWB30 2 One unit f Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester Year 1, S CYB103	ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit ence Unit tarce Unit ence Unit communication Theory and Practice	
Data Scie Data Scie Year 4, S CWB30 2 One unit 1 Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester Year 1, S CYB103 CYB104	Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit to 2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media	
Data Scie Data Scie Year 4, S CWB30 2 One unit f Learning KKB350): KKB341 KKB350 Data Scie Semester Year 1, S CYB103 CYB104 Data Scie	Advanced Corporate Communication From the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour Ence Unit Communication Theory and Practice Managing Social Media Ence Unit	
Data Scie Data Scie Year 4, S CWB30 2 One unit f Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester Year 1, S CYB103 CYB104 Data Scie Data Scie	Advanced Corporate Communication From the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour Ence Unit Ence Unit Communication Theory and Practice Managing Social Media Ence Unit Ence Unit	
Data Scie Data Scie Year 4, S CWB30 2 One unit f Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester Year 1, S CYB103 CYB104 Data Scie Data Scie Data Scie	ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit creative Industries Study Tour ence Unit communication Theory and Practice Managing Social Media ence Unit ence Unit ence Unit	
Data Scie Data Scie Year 4, S CWB30 2 One unit f Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester Year 1, S CYB103 CYB104 Data Scie Data Scie Data Scie Year 2, S	ance Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit creative Industries Study Tour ence Unit emester 2 Communication Theory and Practice Managing Social Media ence Unit emester 1 Introduction to Communication	
Data Scie Data Scie Vear 4, S CWB30 2 One unit f Learning KKB350): KKB341 KKB350 Data Scie Data Scie Data Scie Semester Year 1, S CYB103 CYB104 Data Scie Data Scie Data Scie Data Scie CYB104 Data Scie CYB104 CYB102	ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit to 2 (July) commencements emester 2 Communication Theory and Practice Managing Social Media ence Unit ence Unit	
Data Scie Data Scie Year 4, S CWB30 2 One unit f Learning KKB350): KKB341 KKB350 Data Scie Data Scie Semester Year 1, S CYB103 CYB104 Data Scie Year 2, S CYB101 CYB102 Data Scie	ance Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit c (July) commencements emester 2 Communication Theory and Practice Managing Social Media ence Unit emester 1 Introduction to Communication Introduction to Media and Entertainment Industries ence Unit	

Note: Students considering studying		
overseas in Year 3 Semester 1 must apply by 1 June		
Year 2. S	emester 2	
CCB102	Multi-Media Design	
CWB10	Interpersonal and Intercultural	
3	Negotiation	
Data Science Unit		
Data Science Unit		
Year 3, S	emester 1	
CWB10 1	Communication and Composition: Introduction to Academic Writing	
CWB10 2	Influence and Persuasion	
Data Scie	ence Unit	
Data Scie	ence Unit	
Year 3, S	emester 2	
CCB204	Communication Planning and Practice	
CWB20 1	Corporate Writing and Editing	
Data Science Unit		
Data Scie	ence Unit	
Year 4, Semester 1		
Year 4, S	emester 1	
Year 4, S CCB203	emester 1 Strategic Speech Communication	
Year 4, S CCB203 CWB20 2	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills	
Year 4, S CCB203 CWB20 2 Data Scie	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit	
Year 4, S CCB203 CWB20 2 Data Scie Data Scie	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit ence Unit	
Year 4, S CCB203 CWB20 2 Data Scie Data Scie Year 4, S	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit ence Unit emester 2	
Year 4, S CCB203 CWB20 2 Data Scie Data Scie Year 4, S CWB30 2	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit emester 2 Advanced Corporate Communication	
Year 4, S CCB203 CWB20 2 Data Scie Data Scie Data Scie Year 4, S CWB30 2 One unit f Learning KKB350):	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or	
Year 4, S CCB203 CWB20 2 Data Scie Data Scie Year 4, S CWB30 2 One unit f Learning KKB350): KKB341	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1	
Year 4, S CCB203 CWB20 2 Data Scie Data Scie Data Scie Year 4, S CWB30 2 CWB30 2 One unit 1 Learning KKB350): KKB341 KKB350	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour	
Year 4, S CCB203 CWB20 2 Data Scie Data Scie Data Scie Year 4, S CWB30 2 One unit 1 Learning KKB350): KKB341 KKB350 Data Scie	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit	
Year 4, S CCB203 CWB20 2 Data Scie Data Scie Year 4, S CWB30 2 One unit 1 Learning KKB350): KKB341 KKB350 Data Scie Data Scie	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit ence Unit	
Year 4, S CCB203 CWB20 2 Data Scie Data Scie Year 4, S CWB30 2 One unit 1 Learning KKB350): KKB341 KKB350 Data Scie Data Scie Year 5, S	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit emester 1	
Year 4, S CCB203 CWB20 2 Data Scie Data Scie Data Scie Year 4, S CWB30 2 One unit 1 Learning KKB350): KKB341 KKB350 Data Scie Data Scie Data Scie Year 5, S CWB30 1	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit emester 1 Political Communication	
Year 4, S CCB203 CWB20 2 Data Scie Data Scie Year 4, S CWB30 2 One unit f Learning KKB350): KKB341 KKB350) Data Scie Data Scie Data Scie Year 5, S CWB30 1 CWB30 3	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit emester 1 Political Communication Communication Project	
Year 4, S CCB203 CWB20 2 Data Scie Data Scie Year 4, S CWB30 2 One unit Learning KKB350): KKB341 KKB350 Data Scie Year 5, S CWB30 1 CWB30 3 Data Scie	emester 1 Strategic Speech Communication Rhetoric: Public Communication Skills ence Unit emester 2 Advanced Corporate Communication from the Work Integrated Unit Options List (KKB341 or Work Integrated Learning 1 Creative Industries Study Tour ence Unit emester 1 Political Communication Communication Project ence Unit	



Year	2021
QUT code	ID32
CRICOS	103860K
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dean Brough (Creative Industries); phone +61 7 3138 2000; email: askqut@qut.edu.au; SEF Enquiries (Information Technology); phone: +61 7 3138 8822; email: sef.enquiry@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure Your course

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Creative Industries and 192 credit points from the Bachelor of Data Science. You will undertake the two components of the double degree concurrently.

Creative Industries component

The core of the program centres on Creative Enterprise studios that offer authentic, problem-based activities, coupled with work integrated learning, skills in entrepreneurship and commercial links that engage in creative start-ups. Early in your degree, you choose 24 credit points of introductory units to experience your preferred majors, with the option to undertake defined breadth units in other relevant areas. Using this experience, you then decide upon a creative industries major.

You will complete:

Core units - 72 credit points

- Creative Industries introductory units 24 credit points
- A Creative Industries major 96 credit points from one of the specified majors including: Creative and Professional Writing; Media and Communication; Drama and Performance; Entertainment; Fashion Communication; Interactive and Visual Design; Music and Sound; and Screen Content Production.

Data Science component

You will complete 192 credit points of Data Science core units.

Study overseas

<u>Study overseas</u> while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

Your course

In order to complete this course, you must complete a total of 384 credit points, made up of 192 credit points from the Bachelor of Creative Industries and 192 credit points from the Bachelor of Data Science. You will undertake the two components of the double degree concurrently.

Creative Industries component

The core of the program centres on Creative Enterprise studios that offer authentic, problem-based activities, coupled with work integrated learning, skills in entrepreneurship and commercial links that engage in creative start-ups. Early in your degree, you choose 24 credit points of introductory units to experience your preferred majors, with the option to undertake defined breadth units in other relevant areas. Using this experience, you then decide upon a creative industries major.

You will complete:

- Core units 72 credit pointsCreative Industries introductory
- units 24 credit points • A Creative Industries major - 96 credit points from one of the specified majors including: Creative
- specified majors including: Creative and Professional Writing; Media and Communication; Drama and Performance; Entertainment;



Bachelor of Creative Industries / Bachelor of Data Science

Fashion Communication; Interactive and Visual Design; Music and Sound; and Screen Content Production.

Data Science component

You will complete 192 credit points of Data Science core units.

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 Year 3, Semester 1
- ٠
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code Title Year 1, Semester 1

KKB180 Creative Futures

A unit from the Creative Industries Introductory Unit Options List

Data Science Unit

Data Science Unit

Year 1, Semester 2

KKB185 Creative Enterprise Studio 1 A unit from the Creative Industries

Introductory Unit Options List

Data Science Unit

Data Science Unit

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1

Creative Industries Major: First Unit

Creative Industries Major: Second Unit

Data Science Unit

Data Science Unit

Year 2, Semester 2

Creative Industries Major: Third Unit Creative Industries Major: Fourth Unit

Data Science Unit

Data Science Unit

Year 3, Semester 1

Creative Industries Major: Fifth Unit Creative Industries Major: Sixth Unit Data Science Unit



Data Science Unit

Semesters

- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2
- Year 4, Semester 1
- . Year 4, Semester 2
- Year 5, Semester 1

Code Title Year 1, Semester 2

KKB185 Creative Enterprise Studio 1 A unit from the Creative Industries Introductory Unit Options List Data Science Unit Data Science Unit Year 2, Semester 1 KKB180 Creative Futures A unit from the Creative Industries Introductory Unit Options List Data Science Unit Data Science Unit Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.

Year 2, Semester 2

Creative Industries Major: First Unit Creative Industries Major: Second Unit

Data Science Unit

Data Science Unit

Year 3, Semester 1

Creative Industries Major: Third Unit

Creative Industries Major: Fourth Unit

Data Science Unit

Data Science Unit

Year 3, Semester 2

KKB285	Creative Enterprise Studio 2	
Creative Industries Major: Fifth Unit		
Data Science Unit		
Data Science Unit		
Year 4, Semester 1		
Creative Industries Major: Sixth Unit		
Creative Industries Major: Seventh Unit		
Data Science Unit		
Data Science Unit		
Year 4, Semester 2		
KKB385	Creative Enterprise Studio 3	
Data Science Unit		
Data Science Unit		
Year 5, Semester 1		
Creative Industries Major: Eighth Unit		
A unit from the Creative Industries WIL Unit Options List (KKB341 or KKB380):		
KKB341	Work Integrated Learning 1	
KKB380	Creative Enterprise and Entrepreneurship	
Data Scie	ence Unit	

Data Science Unit

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Year	2021
QUT code	ID33
CRICOS	103861J
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$8,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,000 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Data Science program and 336 credit points for the Bachelor of Laws (Honours) program. You will study data science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the data science component, students will complete 192 credit points (16 units) consisting of :

- 14 core units (168 credit point)
 2 data science elective units (24
- credit points)

Under the law component, you will complete 336 credit points of core units and a mixture of law electives made up of:

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students may select a general law elective in place of the introductory law elective

**Students have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Data Science program and 336 credit points for the Bachelor of Laws (Honours) program. You will study data science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the data science component, students will complete 192 credit points (16 units) consisting of :

- 14 core units (168 credit point)
- 2 data science elective units (24 credit points)

Under the law component, you will complete 336 credit points of core units and a mixture of law electives made up of:

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students may select a general law elective in place of the introductory law elective

**Students have the option to complete the Law, Technology and Innovation


Year 2, Semester 2

minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

Sample Structure

Semesters

- February commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- Year 5, Semester 2
- Year 6, Semester 1
- Law information

Code Title February commencements

Year 1, Semester 1		
IFB104	Building IT Systems	
Select either MXB100 or MXB105		
MXB100	Introductory Calculus and Algebra	
MXB105	Calculus and Differential Equations	
LLB101	Introduction to Law	
LLB102	Torts	
Year 1, S	emester 2	
IFB105	Database Management	
MXB107	Introduction to Statistical Modelling	
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
Year 2, Semester 1		
MXB101	Probability and Stochastic Modelling 1	
MXB262	Visualising Data	
LLB103	Dispute Resolution	
LLB104	Contemporary Law and Justice	

CAB201	Programming Principles			
DSB100	Fundamentals of Data Science			
LLH201	Legal Research			
Introductory Law Elective unit or General				
Law Elect	tive unit			
Year 3, S	emester 1			
CAB301	Algorithms and Complexity			
MXB242	Regression and Design			
LLB202	Contract Law			
LLB203	Constitutional Law			
Year 3, S	emester 2			
IAB206	Modern Data Management			
Select eit	her CAB330 or IAB303			
CAB330	Data and Web Analytics			
IAB303	Data Analytics for Business Insight			
LLB204	Commercial and Personal Property Law			
LLB205	Equity and Trusts			
Year 4, S	emester 1			
CAB420	Machine Learning			
MXB344	Generalised Linear Models			
General L	aw Elective*			
LLB301	Real Property Law			
Year 4, S	emester 2			
Year 4, S DSB300	emester 2 Data Science Capstone Project			
Year 4, S DSB300 MXB362	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science			
Year 4, S DSB300 MXB362 LLH206	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law			
Year 4, S DSB300 MXB362 LLH206 LLB303	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit*			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit*			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit* aw elective or law minor unit or elective or uni-wide minor unit*			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit* aw elective or law minor unit or elective or uni-wide minor unit*			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLB306	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or effective or uni-wide minor unit* aw elective or law minor unit or effective or uni-wide minor unit* emester 2 Corporate Law Civil Procedure			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLB306 LLH401	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or effective or uni-wide minor unit* aw elective or law minor unit or effective or uni-wide minor unit* emester 2 Corporate Law Civil Procedure Legal Research Capstone			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLH305 LLB306 LLH401 Year 6, S	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit* aw elective or law minor unit or elective or uni-wide minor unit* emester 2 Corporate Law Civil Procedure Legal Research Capstone emester 1			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLB306 LLH401 Year 6, S Advanced	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit* aw elective or law minor unit or elective or uni-wide minor unit* emester 2 Corporate Law Civil Procedure Legal Research Capstone emester 1 d law elective			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLH305 LLB306 LLH401 Year 6, S Advanced	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit* aw elective or law minor unit or elective or uni-wide minor unit* emester 2 Corporate Law Civil Procedure Legal Research Capstone emester 1 d law elective			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLH305 LLB306 LLH401 Year 6, S Advanceo General la non law e	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or lective or uni-wide minor unit* aw elective or law minor unit or lective or uni-wide minor unit* emester 2 Corporate Law Civil Procedure Legal Research Capstone emester 1 d law elective d law elective aw elective or law minor unit or lective or uni-wide minor unit or d law elective			
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLH305 LLH305 LLH401 Year 6, S Advanced General la non law e General la non law e General la	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit* aw elective or law minor unit or elective or uni-wide minor unit* Corporate Law Civil Procedure Legal Research Capstone emester 1 d law elective aw elective or law minor unit or elective or uni-wide minor unit or			

*Students may wish to study the Law, Innovation and Technology minor or a uni-wide minor or up to 48 credit points

• <u>Yea</u>	<u>r 1, Semester 1</u>
• <u>Yea</u>	r 2, Semester 2
• <u>Yea</u>	r 2, Semester 1
Year	r 3, Semester 1
• Year	<u>4, Semester 2</u>
• <u>Yea</u>	r <u>4, Semester 1</u>
• Yea	r 5. Semester 1
• Yea	r 6, Semester 2
• <u>Law</u>	information
Code	Title
July comr	nencement
Year 1, S	emester 2,
IFB104	Building IT Systems
Select MX	(B100 or MXB105
	Introductory Calculus and
MXB100	Algebra
MXR105	Calculus and Differential
WIND 100	Equations
LLB101	Introduction to Law
LLB102	Torts
Year 1, S	emester 1
MXB101	Probability and Stochastic Modelling 1
IFB105	Database Management
LLB103	Dispute Resolution
LI B104	Contemporary Law and
	Justice
Year 2, S	emester 2
CAB201	Programming Principles
MXB107	Introduction to Statistical Modelling
LLB106	Criminal Law
LLB107	Statutory Interpretation
Year 2, <u>S</u>	emester 1
MXB242	Regression and Design
MXB262	Visualising Data
LLH201	Legal Research
LLB202	Contract Law
Year 3. S	emester 2
	Fundamentals of Data
DSB100	Science
IAB206	Modern Data Management
Introducto elective	ory law elective or general law
LLB204	Commercial and Personal Property Law
Yea <u>r</u> 3, <u>S</u>	emester 1
CAB301	Algorithms and Complexity
CAB420	Machine Learning

of non-law electives in place of their

general law electives.

• July commencement

• Year 1, Semester 2,

Semesters



Constitutional Law

LLB203

General la	General law elective			
Year 4, S	emester 2			
Select CA	AB330 or IAB303			
CAB330	Data and Web Analytics			
IAB303	Data Analytics for Business Insight			
MXB362	Advanced Visualisation and Data Science			
LLB205	Equity and Trusts			
LLH206	Administrative Law			
Year 4, S	emester 1			
DSB300	Data Science Capstone Project			
MXB344	Generalised Linear Models			
LLB301	Real Property Law			
General la non-law e	aw elective or law minor unit or elective or uni-wide minor unit*			
Year 5, S	emester 2			
LLB303	Evidence			
LLH305	Corporate Law			
LLB306	Civil Procedure			
General la non-law e	aw elective or law minor unit or elective or uni-wide minor unit*			
Year 5, S	emester 1			
LLH302	Ethics and the Legal Profession			
LLB304	Commercial Remedies			
General law elective or law minor unit or non-law elective or uni-wide minor unit*				
General la non-law e	aw elective or law minor unit or elective or uni-wide minor unit*			
Year 6, S	emester 2			
LLH401	Legal Research Capstone			
Advanced	law elective			
Advanced law elective				
Law infor	mation			
*Students may wish to study the Law, Innovation and Technology minor or a uni-wide minor or up to 48 credit points of non-law electives as part of their general law electives.				

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Introductory Law Electives		
Code	Title	
LLB140	Human Rights Law	
LLB141	Introduction to International Law	
LLB142	Regulation of Business	

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

General Law Electives List			
Code	Title		
LLB241	Discrimination and Equal Opportunity Law		
LLB242	Media Law		
LLB243	Family Law		
LLB244	Criminal Law Sentencing		
LLB245	Sports Law		
LLB247	Animal Law		
LLB248	COVID-19 and the Law		
LLB250	Law, Privacy and Data Ethics		
LLB251	Law and Design Thinking		
LLB252	Legal Tech		
LLB340	Banking and Finance Law		
LLB341	Artificial Intelligence, Robots and the Law		
LLB342	Immigration and Refugee Law		
LLB344	Intellectual Property Law		
LLB345	Regulating the Internet		
LLB346	Succession Law		
LLB347	Taxation Law		
LLB349	Japanese Law		
LLB350	The Law and Ethics of War		
LLB440	Environmental Law		
LLB443	Mining and Resources Law		
LLB444	Real Estate Transactions		
LLB447	International Arbitration		
LLB460	Competition Moots A		
LLB461	Competition Moots B		
LLB463	Community Justice Project		
LLB464	International Legal Placement		
LLB465	Startup Law Clinic		
LLB466	Small Business Law Clinic		

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Advanced Law Electives		
Code	Title	
Select 24 credit points of Advanced Law Electives (2 x 12 cp units or 1 x 12 cp unit)		
LLH470	Commercial Contracts in Practice	
LLH471	Health Law and Practice	
LLH472	Public International Law	
LLH473	Independent Research Project	
LLH474	Insolvency Law	
LLH475	Theories of Law	
LLH476	Competition Law	
LLH477	Innovation and Intellectual Property Law	
LLH478	Advanced Criminal Law - Principles and Practice	
LLH479	Research Thesis Extension	
LLH480	Consumer Law in a Digital Age	
LLH481	Private International Law	



Maaa	2024
	2021
QUT code	IX22
CRICOS	059595C
Duration (full-time)	4 years
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,400 per year full-time (96 credit points)
Total credit points	384
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Director of Studies, QUT Business School; Dr Wayne Kelly (Information Technology); email: askqut@qut.edu.au; ph: +61 7 3138 2000
Discipline Coordinator	Associate Prof Belinda Luke (Accountancy); Nicolas Pontes (Advertising); Dr Radhika Lahiri (Economics); Dr Mark Doolan (Finance); Dr Ali Muhammad (Human Resource Management); Dr Shane Mathews (International Business); Dr Kavoos Mohannak (Management); Prof Larry Neale (Marketing); and Dr Anne Lane (Public Relations) Business: +61 7 3138 2050; IT: +61 7 3138 2000 Business: bus@qut.edu.au; IT: askqut@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)			
Overall	6.5		
Listening	6.0		
Reading	6.0		
Writing	6.0		
Speaking	6.0		

Course Overview

This double degree will give you a broad base of commercial knowledge in business and information technology. Business is highly dependent on information technology infrastructure, so having the expertise in both makes you more attractive to employers looking for multidisciplined staff.

Businesses look for staff who can communicate well from both the business and information technology disciplines, so having the skills and knowledge across both gives you a competitive edge over other graduates. You will have the opportunity to complement your information technology studies in either information systems or computer science with a business major in accountancy, advertising, economics, finance, human resource management, international business, management, marketing or public relations.

Career Outcomes

This double degree will give you the particular skills to acquire a role requiring knowledge in both business and information technology. These include business and systems analyst, systems manager, product manager for an information technology product, team leader for multidisciplinary staff, pre-sales consulting, after-sales support, technical manager or consultant. Future career prospects include chief financial officer, chief information officer and chief technical officer.

Study Areas

IX22 has nominated majors in Information Systems and Computer Science in the Information Technology component of the degreee. There will now be a Study Area A shown on a graduate's parchment.

Professional Recognition

The Bachelor of Business degree may, subject to choice of major, allow graduates to satisfy the academic requirements for membership to a number of professional bodies. Further information is available from the discipline schools.

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Information Technology program and 192 credit points from the Bachelor of Business program.

Business component:

- Eight Business School core units (96 credit points) *
- Eight major core units (96 credit points)

*Accounting major students complete six business core units and 10 accountancy



major units to allow them to complete professional requirements.

Information Technology

component:

- Six (6) Core IT units (72 credit
- points 48cp + 24cp core options)
- Ten (10) major core units (120 credit points)

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Information Technology program and 192 credit points from the Bachelor of Business program.

Business component:

- Eight Business School core units (96 credit points) *
- Eight major Core units (96 credit points)

*Accounting major students complete six business core units and 10 accountancy major units to allow them to complete professional requirements.

Information Technology component:

- Six (6) core IT units (72 credit points
- 48cp + 24cp core options) • Ten (10) major core units (120 credit points)

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title
Year 1, Semester 1	
IT Core Unit	
IT Core Unit	
Business School Un	it
Business School Un	it
Year 1, Semester 2	
IT Core Unit	
IT Core Unit	
Business School Un	it
Business School Un	it
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Business School Un	it

Business School Unit Year 2, Semester 2 IT Major Unit IT Major Unit **Business School Unit Business School Unit** Year 3, Semester 1 IT Major Unit IT Major Unit **Business School Unit Business School Unit** Year 3, Semester 2 IT Major Unit IT Major Unit **Business School Unit Business School Unit** Year 4, Semester 1 IT Major Unit IT Major Unit **Business School Unit Business School Unit** Year 4, Semester 2 IT Major Unit IT Major Unit **Business School Unit Business School Unit**

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 Year 4 Semester 1
- Year 4 Semester 2

Code	Title		
Year 1 Semester 1			
BSB107	Financial Performance and Responsibility		
BSB108	Business Environment		
Year 1 Semester 2			
BSB111	Business Law and Ethics		
BSB110	Accounting		
Year 2 Se	Year 2 Semester 1		
BSB105	The Future Enterprise		
BSB106	Dynamic Markets		
Year 2 Se	emester 2		
AYB200	Financial Accounting		
AYB225	Management Accounting		
Year 3 Se	emester 1		
AYB230	Corporations Law		
EFB210	Finance 1		
Year 3 Semester 2			
AYB221	Accounting Systems and		

230	Corporations Law		the fo
210	Finance 1	BSB1	
3 Semester 2			BSB1
221	Accounting Systems and		BSB3
		_	-

Analytics AYB219 Taxation Law Year 4 Semester 1 Strategic Management AYB321 Accounting AYB340 **Company Accounting** Year 4 Semester 2 AYB311 **Financial Accounting Issues** AYB301 Audit and Assurance

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List:

Code	Title	
Year 1, S	emester 1	
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, S	emester 2	
BSB107	Financial Performance and Responsibility	
Select a u List	unit from the Core Options Unit	
Year 2, S	emester 1	
AMB200	Consumer Behaviour	
AMB201	Marketing and Audience Analytics	
Year 2, S	emester 2	
AMB220	Advertising Works	
BSB108	Business Environment	
Year 3, S	emester 1	
AMB319	Consumers and Media Channels	
BSB250	Business Citizenship	
Year 3, S	emester 2	
AMB318	Create Advertising	
Select a unit from the Core Options Unit List		
Year 4, S	emester 1	
AMB320	Advertising Management	
AMB330	Digital Optimisation	
Year 4, S	emester 2	
AMB339	Advertising Campaigns	
BSB399	Real World Ready - Business Capstone	
Core Opt	ions Units List:	
Select tw the follow	o units (24 credit points) from ring:	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business	

the university for the real world

This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX22&id=36553. CRICOS No.00213J

	Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

"Select a unit from the Economics Options List or the Core Options Unit List" is repeated 5 times in this course progression. Please note that there are two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groupsmay be undertaken.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 ٠
- Year 2, Semester 2 • ٠
- Year 3, Semester 1 Year 3, Semester 2 •
- Year 4, Semester 1
- Year 4, Semester 2
- ٠ Core Options Units
- **Economics Options List** .

Code	Title	
Year 1, Semester 1		
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, S	emester 2	
BSB108	Business Environment	
BSB107	Financial Performance and Responsibility	
Year 2, S	emester 1	
EFB222	Introduction to Applied Econometrics	
Select a unit from the Core Options Unit List or The Economics Options List		
*Students undertake EFB222 as one of the Economics Options Units.		
Year 2, S	emester 2	
EFB223	Economics 2	
Select a u List or Th	unit from the Core Options Unit e Economics Options List	
Year 3, S	emester 1	
EFB331	Intermediate Microeconomics	
Select a u List or Th	unit from the Core Options Unit e Economics Options List	
Year 3, S	emester 2	
BSB250	Business Citizenship	
Select a unit from the Core Options Unit List or The Economics Options List		
Year 4, S	emester 1	
BSB399	Real World Ready - Business Capstone	
EFB330	Intermediate Macroeconomics	
Year 4, S	emester 2	

EFB338	Contemporary Application of Economic Theory
Select a unit from the Core Options Unit List or The Economics Options List	
Core Options Units	
Select tw the follow	o units (24 credit points) from ring:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and
	Enterprise Skills
Economic	Enterprise Skills cs Options List
Economic Select for the Quan Economic	Enterprise Skills cs Options List ur units (48 credit points) from titative and/or Applied cs Units List:
Economic Select for the Quan Economic EFB222	Enterprise Skills cs Options List ur units (48 credit points) from titative and/or Applied cs Units List: Introduction to Applied Econometrics
Economic Select for the Quan Economic EFB222 EFB332	Enterprise Skills cs Options List ur units (48 credit points) from titative and/or Applied cs Units List: Introduction to Applied Econometrics Applied Behavioural Economics
Economic Select for the Quan Economic EFB222 EFB332 EFB333	Enterprise Skills cs Options List ur units (48 credit points) from titative and/or Applied cs Units List: Introduction to Applied Econometrics Applied Behavioural Economics Applied Econometrics
Economic Select fou the Quan Economic EFB222 EFB332 EFB333 EFB337	Enterprise Skills cs Options List ur units (48 credit points) from titative and/or Applied cs Units List: Introduction to Applied Econometrics Applied Behavioural Economics Applied Econometrics Game Theory and Applications
Economic Select for the Quan Economic EFB222 EFB332 EFB333 EFB337 EFB201	Enterprise Skills cs Options List ur units (48 credit points) from titative and/or Applied cs Units List: Introduction to Applied Econometrics Applied Behavioural Economics Applied Econometrics Game Theory and Applications Financial Markets
Economic Select for the Quan Economic EFB222 EFB332 EFB333 EFB337 EFB201 EFB225	Enterprise Skills cs Options List ur units (48 credit points) from titative and/or Applied cs Units List: Introduction to Applied Econometrics Applied Behavioural Economics Applied Econometrics Game Theory and Applications Financial Markets Economics for the Real World
Economic Select fou the Quan Economic EFB222 EFB332 EFB333 EFB337 EFB201 EFB201 EFB225 EFB226	Enterprise Skills cs Options List ur units (48 credit points) from titative and/or Applied cs Units List: Introduction to Applied Econometrics Applied Behavioural Economics Applied Econometrics Game Theory and Applications Financial Markets Economics for the Real World Environmental Economics and Policy

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units

Title Code

Year 1, Semester 1		
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Year 1, S	emester 2	
BSB108	Business Environment	
Select a u List	unit from the Core Options Uni	
Year 2, Semester 1		
Year 2, S	emester 1	
Year 2, S BSB105	emester 1 The Future Enterprise	
Year 2, S BSB105 EFB210	emester 1 The Future Enterprise Finance 1	
Year 2, S BSB105 EFB210 Year 2, S	emester 1 The Future Enterprise Finance 1 emester 2	
Year 2, S BSB105 EFB210 Year 2, S EFB201	emester 1 The Future Enterprise Finance 1 emester 2 Financial Markets	

Select a unit from the Core Options Unit

liet		
Noor 2 S	omostor 1	
EFB343	Corporate Finance	
EFB335	Investments	
Year 3, S	emester 2	
BSB250	Business Citizenship	
EFB312	International Finance	
Year 4, S	emester 1	
BSB399	Real World Ready - Business Capstone	
EFB223	Economics 2	
Year 4, S	emester 2	
EFB360	Finance Capstone	
EFB344	Risk Management and Derivatives	
Core Opt	ions Units	
Select two units (24 credit points) from the following:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List

Code	Title	
Year 1, Semester 1		
BSB107	Financial Performance and Responsibility	
BSB108	Business Environment	
Year 1, S	emester 2	
BSB105	The Future Enterprise	
BSB106	Dynamic Markets	
Year 2, S	emester 1	
BSB111	Business Law and Ethics	
Select a unit frm the Core Options List		
Note: Financial Planning students undertake BSB111 as one of the two Core Options Units for professional accreditation purposes		
Year 2, Semester 2		
AYB219	Taxation Law	
EFB210	Finance 1	
Year 3, Semester 1		

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AYB250	Personal Financial Planning
BSB250	Business Citizenship
Year 3, S	emester 2
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, S	emester 1
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4, S	emester 2
AYB346	Financial Plan Construction (Capstone)
BSB399	Real World Ready - Business Capstone
Core Opt	ions Units List
Financial BSB111 a from the 0	Planning students select and one other (12 credit points) Core Options Units List
BSB111	Business Law and Ethics
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 • ٠
- •
- Year 3, Semester 1 •
- Year 3, Semester 2 •
- Year 4, Semester 1 Year 4, Semester 2 .
- Core Unit Options List •

Code	Title	
Year 1, Semester 1		
BSB105	The Future Enterprise	
BSB108	Business Environment	
Year 1, S	emester 2	
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Year 2, S	emester 1	
MGB21 4	Introducing People Management and Analytics	
MGB20 0	Managing People	
Year 2, Semester 2		
MGB22 9	Obligations and Options for Employing People	
Select a u List	unit from the Core Options Unit	

1 ear 5, 5		
BSB250	Business Citizenship	
MGB23	Recruiting and Selecting	
0	People	
Year 3, S	emester 2	
MGB33 1	Developing People	
MGB33 9	Managing Performance and Rewards	
Year 4, S	emester 1	
BSB399	Real World Ready - Business Capstone	
Select on the follow	e unit (12 credit points) from ring:	
MGB31 0	Managing Sustainable Change	
MGB33 8	Workplace Learning	
MGB30 6	Independent Study	
Year 4, S	emester 2	
MGB37 2	Creating Value through People	
Select a unit from the Core Options Unit List		
Core Unit	Options List	
Select two units (24 credit points) from the Core Options Unit List:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- <u>Year 1, Semester 1</u>
 <u>Year 1, Semester 2</u>
- Year 2, Semester 1
- Year 2, Semester 2 •
- Year 3, Semester 1 Year 3, Semester 2 ٠
- Year 4, Semester 1 ٠
- Year 4, Semester 2
- Core Options Units

Code	Title	
Year 1, Semester 1		
BSB106	Dynamic Markets	
BSB108	Business Environment	
Year 1, Semester 2		
BSB105	The Future Enterprise	
BSB107	Financial Performance and Responsibility	
Year 2, Semester 1		
AMB210	Importing and Exporting	

Select a unit frm the Core Options List		
Year 2, Semester 2		
MGB22 5	Intercultural Communication and Negotiation Skills	
Select a u list	unit from the Core Options Unit	
Year 3, S	emester 1	
AYB227	International Accounting	
BSB250	Business Citizenship	
Year 3, S	emester 2	
EFB240	Finance for International Business	
MGB34 0	International Business in the Asia-Pacific	
Year 4, S	emester 1	
AMB303	International Logistics	
AMB336	International Marketing	
Year 4, S	emester 2	
AMB369	International Business Strategy	
BSB399	Real World Ready - Business Capstone	
Core Opt	ions Units	
Select two the follow	o units (24 credit points) from ring:	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
	Experiential Learning:	

Semesters

• Year 1, Semester 1

BSB009 Innovation, Ideas and

Enterprise Skills

- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2 •
- Core Options Units List ٠

Code	Title	
Year 1, Semester 1		
BSB105	The Future Enterprise	
BSB108	Business Environment	
Year 1, Semester 2		
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Year 2, Semester 1		
MGB22 5	Intercultural Communication and Negotiation Skills	
MGB20 0	Managing People	



Year 2, Semester 2 Innovation, Knowledge and MGB22 6 Creativity Select a unit from the Core Options Unit list Year 3, Semester 1 BSB250 Business Citizenship Select one of the following: MGB21 Managing Operations 0 MGB22 Entrepreneurship 7 Students undertaking the Management stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete MGB227. Year 3, Semester 2 Select a unit from the Core Options Unit List Select one of the following: MGB33 Managing Projects 5 MGB32 Managing Business Growth 4 Students undertaking the Management stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324. Year 4, Semester 1 MGB34 Managing Risk 1 Real World Ready - Business **BSB399** Capstone Year 4, Semester 2 MGB30 Managing Strategically 9 Select one of the following: MGB31 Managing Sustainable 0 Change MGB33 Workplace Learning 8 Core Options Units List Select two units (24 credit points) from the following: BSB130 Social Enterprises **BSB131** Applied Business Analytics **Undergraduate Business BSB305** Internship BSB110 Accounting **BSB111** Business Law and Ethics **Experiential Learning:**

BSB009 Innovation, Ideas and Enterprise Skills

Semesters

- Year 1, Semester 1
- Year 1, Semester 2

• Year 2, Semester 2		
 Year 3, Semester 1 Year 3, Semester 2 		
Year 4, Semester 1		
 Year Core 	<u>24, Semester 2</u> Options Units List	
Ocale	T:41-	
Year 1, S		
BSB100	Dynamic Markets	
Voor 1 S		
rear 1, 5	Eineneiel Derformenee and	
BSB107	Responsibility	
Select a u List	init from the Core Options Unit	
Year 2, S	emester 1	
BSB108	Business Environment	
Select a u	init from the Core Options List	
Year 2, S	emester 2	
AMB200	Consumer Behaviour	
AMB240	Marketing Planning and Management	
Year 3, S	emester 1	
AMB202	Integrated Marketing Communication	
AMB201	Marketing and Audience Analytics	
Year 3, S	emester 2	
BSB250	Business Citizenship	
AMB330	Digital Optimisation	
Year 4, S	emester 1	
AMB340	Services Marketing	
AMB336	International Marketing	
Year 4, S	emester 2	
BSB399	Real World Ready - Business Capstone	
AMB359	Strategic Marketing	
Core Opti	ons Units List	
Select two units (24 credit points) from the following:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

• Year 2, Semester 1

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1

- Year 4, Semester 2

<u>Core Options Units List</u>		
Code	Title	
Year 1, S	emester 1	
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, S	emester 2	
BSB108	Business Environment	
BSB107	Financial Performance and Responsibility	
Year 2, S	emester 1	
AMB264	Media Relations and Publicity	
AMB263	Introduction to Public Relations	
Year 2, S	emester 2	
AMB201	Marketing and Audience Analytics	
AMB372	Public Relations Planning	
Year 3, S	emester 1	
BSB250	Business Citizenship	
AMB374	Global Public Relations Cases	
Year 3, S	emester 2	
AMB375	Internal Communication and Change	
Select a ι List	init from the Core Options Unit	
Year 4, S	emester 1	
BSB399	Real World Ready - Business Capstone	
AMB373	Issues, Stakeholders and Reputation	
Year 4, S	emester 2	
AMB379	Public Relations Campaigns	
Select a unit from the Core Options Unit List		
Core Opti	ons Units List	
Select two units (24 credit points) from the following:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 .
- Year 4, Semester 1

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- This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX22&id=36553. CRICOS No.00213J

 Year 4, Semester 2 Semester 2 (July) commencements Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 Year 3, Semester 1 		
• <u>Year</u> • <u>Year</u> • <u>Year</u> • <u>Year</u>	<u>r 3, Semester 2</u> r <u>4, Semester 1</u> r <u>4, Semester 2</u> r <u>5, Semester 1</u>	
Code	Title	
Semester	1 (February) commencements	
Year 1, S	emester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 1	
IT Core U	Init Option	
IT Core U	Init Option	
Year 2, S	emester 2	
CAB201	Programming Principles	
CAB202	Microprocessors and Digital Systems	
Year 3, S	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S	emester 1	
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
Year 4, S	emester 2	
IFB399	Capstone Project (Phase 2)	
Select on	e of:	
CAB401	High Performance and	
CAB402	Programming Paradigms	
CAB403	Systems Programming	
CAB420	Machine Learning	
Semester	2 (July) commencements	
Vear 1 S	emester 2	
rear i, o	Introduction to Computer	
IFB102	Systems	
IFB103	11 Systems Design	
Year 2, S	emester 1	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 2	
CAB201	Programming Principles	
IT Core U	Init Option	

	Systems	
CAB301	Algorithms and Complexity	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
Year 4, S	emester 2	
IFB398	Capstone Project (Phase 1)	
Select ON	NE of:	
CAB401	High Performance and	
0/10/10/1	Parallel Computing	
CAB403	Systems Programming	
OR IT Co	re Unit Option	
Year 5, S	emester 1	
IFB399	Capstone Project (Phase 2)	
Select ON	NE of:	
CAB402	Programming Paradigms	
CAB420	Machine Learning	
OR IT Core Unit Option		
(Select IT Core Unit Option here, if not selected previously.)		
Semesters Semester 1 (February) commencements Year 1, Semester 1 Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 Year 3, Semester 1		

 Year 3, Semester 2 • Year 4, Semester 1 • Year 4, Semester 2

 Year 1, Semester 2 Year 2, Semester 1

Year 2, Semester 2 • Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 Year 5, Semester 1

Title

Systems

Year 1, Semester 1

Year 1, Semester 2

Year 2, Semester 1 IT Core Unit Option IT Core Unit Option Year 2, Semester 2

.

• ٠ Code

IFB102

IFB103

IFB104 IFB105

IAB201

Semester 2 (July) commencements

Semester 1 (February) commencements

IT Systems Design

Building IT Systems

Database Management

Modelling Techniques for

Information Systems

Introduction to Computer

IAB203	Business Process Modelling	
IAB204	Business Requirements Analysis	
Year 3. S	Semester 2	
	Information Systems Lifecycle	
IAB305	Management	
IFB295	IT Project Management	
Year 4, S	Semester 1	
IFB398	Capstone Project (Phase 1)	
Select or	ne of:	
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	
IAB402	Information Systems Consulting	
Year 4, S	Semester 2	
IAB401	Enterprise Architecture	
IFB399	Capstone Project (Phase 2)	
Semeste	r 2 (July) commencements	
Year 1, S	Semester 2	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 2, S	Semester 1	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	Semester 2	
IAB201	Modelling Techniques for Information Systems	
IT Core l	Jnit Option	
Year 3, S	Semester 1	
IAB204	Business Requirements Analysis	
IAB207	Rapid Web Application Development	
Year 3, Semester 2		
IAB305	Information Systems Lifecycle Management	
IT Core l	Jnit Option	
Year 4, S	Semester 1	
IAB203	Business Process Modelling	
IFB295	IT Project Management	
Year 4, S	Semester 2	
IAB401	Enterprise Architecture	
IFB398	Capstone Project (Phase 1)	
Year 5, S	Semester 1	
IFB399	Capstone Project (Phase 2)	
Select O	NE of:	
IAB206	Modern Data Management	

Rapid Web Application

Development

IAB207

Year 3, Semester 1



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Year 3, Semester 1

CAB202 Microprocessors and Digital

IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting



Year	2021
QUT code	IX23
CRICOS	078352J
Duration (full-time)	4 years
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,000 per year full-time (96 credit points)
Total credit points	384
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); or Director of Studies, QUT Business School; ph: +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	Associate Prof Belinda Luke (Accountancy); Nicolas Pontes (Advertising); Dr Radhika Lahiri (Economics); Dr Mark Doolan (Finance); Dr Ali Muhammad (Human Resource Management): Dr Shane Mathews (International Business); Dr Kavoos Mohannak (Management); Prof Larry Neale (Marketing); Dr Anne Lane (Public Relations); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics) Science: +61 7 3138 2000; Business +61 7 3138 2050 Science: askqut@qut.edu.au; Business: bus@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

Your business degree will give you a broad base of commercial knowledge as well as the opportunity to major in a specific business area. This understanding of business makes you more attractive to employers, even if you wish to work predominantly in a sciencebased career.

Aim

Through the combination of science and business, you will equip yourself for an exciting career at the cutting edge of scientific innovation within a range of public, private and non-profit industries.

Career outcomes

By combining your science studies with business you will develop the entrepreneurial skills necessary to sell your abilities to a range of employers. As well as the range of science-based careers available such as a scientific modeller, engineering software developer, scientific programmer, and computational scientist you could expect to gain employment as a consultant, marketer, or project manager within firms developing and taking scientific research to the marketplace.

Professional membership

Both degrees allow you to satisfy the requirements of membership of the relevant professional body for your chosen majors.

Non-standard attendance

Field work is a requirement of some areas of science.

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor Science program and 192 credit points from the Bachelor of Business program.

Business component:

- eight Business School core units (96 credit points) *
- eight major core units (96 credit points)

*Accounting major students complete six business core units and 10 accountancy major units to allow them to complete professional requirements.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor Science program and 192 credit points from the Bachelor of Business program.

Business component:

- eight Business School Core units (96 credit points) *
- eight Major Core units (96 credit points)

*Accounting major students complete six business core units and 10 accountancy major units to allow them to complete professional requirements.



Sample Structure

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1 •
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1
- Year 4, Semester 2 ٠
- ٠ Semester 2 (July) commencements
- Year 1, Semester 2 ٠ Year 2, Semester 1 .
- Year 2, Semester 2 •
- Year 3, Semester 1 ٠
- Year 3, Semester 2

Year 4, Semester 1 • Year 4, Semester 2 Code Title Semester 1 (February) commencements Year 1, Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Year 1, Semester 2 Science Core Unit Option Science Major Unit Option Year 2, Semester 1 SEB115 Experimental Science 1 SEB116 Experimental Science 2 Year 2, Semester 2 BVB101 Foundations of Biology **BVB102** Evolution Year 3, Semester 1 Experimental Design and **BVB202 Quantitative Methods** BVB301 Animal Biology Year 3, Semester 2 **BVB201** Biological Processes BVB204 Ecology Year 4, Semester 1 BVB203 Plant Biology Microbiology and the **BVB305 Environment** Year 4, Semester 2 BVB304 Integrative Biology Population Genetics and **BVB313** Molecular Ecology Semester 2 (July) commencements Year 1, Semester 2 SFB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Science Core Unit Option Science Major Unit Option

Year 2, Semester 1

SEDIIS	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, S	emester 2	
BVB101	Foundations of Biology	
BVB102	Evolution	
Year 3, S	emester 1	
BVB202	Experimental Design and Quantitative Methods	
BVB301	Animal Biology	
Year 3, Semester 2		
BVB201	Biological Processes	
BVB204	Ecology	
Year 4, S	emester 1	
BVB203	Plant Biology	
BVB305	Microbiology and the Environment	
Year 4, Semester 2		
BVB304	Integrative Biology	
BVB313	Population Genetics and Molecular Ecology	

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Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 .
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements ٠
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 . Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title	
Semester 1 (February) commencements		
Year 1, S	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1, Semester 2		
MXB100	Introductory Calculus and Algebra	
Science Core Unit Option		
Year 2, Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, Semester 2		
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
Year 3, Semester 1		
CVB201	Inorganic Chemistry	

CVB204 Mechanisms Year 4<u>, Semester 1</u> Organic Chemistry: Strategies CVB301 for Synthesis CVB302 Applied Physical Chemistry Year 4, Semester 2 CVB303 Coordination Chemistry CVB304 Chemistry Research Project Semester 2 (July) commencements Year 1, Semester 2 Introductory Calculus and **MXB100** Algebra SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Science Core Unit Option Year 2, Semester 1 SEB115 Experimental Science 1 SEB116 Experimental Science 2 Year 2, <u>Semester 2</u> CVB101 General Chemistry Chemical Structure and CVB102 Reactivity Year 3, Semester 1 CVB201 Inorganic Chemistry CVB202 Analytical Chemistry Year 3, Semester 2 CVB203 Physical Chemistry Organic Structure and **CVB204** Mechanisms Year 4, Semester 1 Organic Chemistry: Strategies CVB301 for Synthesis CVB302 Applied Physical Chemistry Year 4, Semester 2 CVB303 Coordination Chemistry

CVB202 Analytical Chemistry

CVB203 Physical Chemistry

Organic Structure and

Year 3, Semester 2

CVB304 Chemistry Research Project

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2 .
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2

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- Year 4, Semester 1
- Year 4, Semester 2

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 S	emester 2
Science (Sara Unit Ontion
Science C	
rear 2, 5	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, S	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3 S	emester 2
	Sedimentary Geology and
ERB203	Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4, S	emester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4. S	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate
Semester	2 (July) commencements
Veer 1 S	2 (July) commencements
SEB104	Grand Challenges in Science
SEB113	Science
Science (Core Unit Option
Science N	/lajor Unit Option
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3. S	emester 1
ERB201	Destructive Earth: Natural
FRB202	Marine Geoscience
Vear 3 S	emester 2
rear 5, S	
ERB203	Sedimentary Geology and Stratigraphy

	Deforming Earth:			
ERB204	Fundamentals of Structural			
	Geology			
Year 4, S	emester 1			
ERB301	Chemical Earth			
ERB302	Applied Geophysics			
Year 4, S	emester 2			
ERB303	Energy Resources and Basin			
	Analysis			
EBB304	Dynamic Earth: Plate			
	Tectonics			
Semeste	rs			
• <u>Sem</u>	<u>iester 1 (February)</u>			
com	mencements			
• <u>Yea</u>	r 1, Semester 1			
 Year 1, Semester 2 				
• <u>Yea</u>	 Year 2, Semester 1 			
• <u>Yea</u>	 Year 2, Semester 2 			
 Year 3, Semester 1 				
• <u>Yea</u>	r <u>3, Semester 2</u>			
• <u>Yea</u>	r 4, Semester 1			
• <u>Yea</u>	r 4, Semester 2			
Semester 2 (July) commencements				
• Year 1, Semester 2				

- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1 ٠
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code Title

Semester	1 (February) commencements				
Year 1, Semester 1					
SEB104	Grand Challenges in Science				
SEB113	Quantitative Methods in Science				
Year 1, S	emester 2				
Science (Core Unit Option				
Science Major Unit Option					
Year 2, S	emester 1				
SEB115	Experimental Science 1				
SEB116	Experimental Science 2				
Year 2, S	emester 2				
ERB101	Earth Systems				
EVB102	Ecosystems and the Environment				
Year 3, S	emester 1				
BVB202	Experimental Design and Quantitative Methods				
EVB203	Geospatial Information Science				
Year 3, S	emester 2				
BVB204	Ecology				
EVB302	Environmental Pollution				
Year 4, S	emester 1				
BVB311	Conservation Biology				
EVB312	EVB312 Soils and the Environment				
Year 4, Semester 2					

EVB304	Case Studies in Environmental Science				
Semester 2 (July) commencements					
Year 1, Semester 2					
SEB104	Grand Challenges in Science				
SEB113	Quantitative Methods in Science				
Science (Core Unit Option				
Science Major Unit Option					
Year 2, S	emester 1				
SEB115	Experimental Science 1				
SEB116	Experimental Science 2				
Year 2, S	emester 2				
ERB101	Earth Systems				
EVB102	Ecosystems and the Environment				
Year 3, S	emester 1				
BVB202	Experimental Design and Quantitative Methods				
EVB203	Geospatial Information Science				
Year 3, S	emester 2				
BVB204	Ecology				
EVB302	Environmental Pollution				
Year 4, S	emester 1				
BVB311	Conservation Biology				
EVB312	Soils and the Environment				
Year 4, S	emester 2				
ERB310	Groundwater Systems				

ERB310 Groundwater Systems

Evb304 Environn	nental Science

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2 •
- .

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Code	Title		
Semester 1 (February) commencements			
Year 1, Semester 1			
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
Year 1, Semester 2			

QUI

Semesters

MXB100	Introductory Calculus and Algebra					
Science Core Unit Option						
Year 2, S	emester 1					
SEB115	Experimental Science 1					
SEB116	Experimental Science 2					
Year 2, S	emester 2					
PVB101	Physics of the Very Large					
PVB102	Physics of the Very Small					
Year 3, S	emester 1					
PVB200	Computational and Mathematical Physics					
PVB203	Experimental Physics					
Year 3, S	emester 2					
PVB202	Mathematical Methods in Physics					
PVB204	Electromagnetism					
Year 4, S	emester 1					
	Materials and Thermal					
PVB301	Physics					
PVB302	Classical and Quantum Physics					
Year 4, S	emester 2					
PVB303	Nuclear and Particle Physics					
PVB304	Physics Research					
Semester	2 (July) commencements					
Year 1, S	emester 2					
	Introductory Calculus and					
INIXE I UU	Algebra					
SEB104	Grand Challenges in Science					
SEB113	Quantitative Methods in Science					
Science C	Core Unit Option					
Year 2, S	emester 1					
SEB115	Experimental Science 1					
SEB116	Experimental Science 2					
Year 2, S	emester 2					
PVB101	Physics of the Very Large					
PVB102	Physics of the Very Small					
Year 3, S	emester 1					
	Computational and					
PVB200	Mathematical Physics					
PVB203	Experimental Physics					
Year 3, S	emester 2					
PVB202	Mathematical Methods in Physics					
PVB204	Electromagnetism					
Year 4, S	emester 1					
PVB301	Materials and Thermal Physics					
PVB302	Classical and Quantum Physics					
Year 4, S	emester 2					
PVB303	Nuclear and Particle Physics					
PVB304	Physics Research					

 Year 1, Semester 1 Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 			
Code	Title		
rear 1, S	Einensiel Derfermense and		
BSB107	Responsibility		
BSB108	Business Environment		
Year 1, S	emester 2		
BSB111	Business Law and Ethics		
BSB110	Accounting		
Accountancy students undertake BSB110 and BSB111 as the Core Option Units to ensure professional accreditation.			
Year 2, S	emester 1		
BSB106	Dynamic Markets		
BSB105	The Future Enterprise		
Year 2, S	emester 2		
AYB225	Management Accounting		
AYB200	Financial Accounting		
Year 3, S	emester 1		
AYB221	Accounting Systems and Analytics		
EFB210	Finance 1		
EFB210 Year 3, S	Finance 1 emester 2		
EFB210 Year 3, S AYB230	Finance 1 emester 2 Corporations Law		
EFB210 Year 3, S AYB230 AYB219	Finance 1 emester 2 Corporations Law Taxation Law		
EFB210 Year 3, S AYB230 AYB219 Year 4, S	Finance 1 emester 2 Corporations Law Taxation Law emester 1		
EFB210 Year 3, S AYB230 AYB219 Year 4, S AYB321	Finance 1 emester 2 Corporations Law Taxation Law emester 1 Strategic Management Accounting		
EFB210 Year 3, S AYB230 AYB219 Year 4, S AYB321 AYB340	Finance 1 emester 2 Corporations Law Taxation Law emester 1 Strategic Management Accounting Company Accounting		
EFB210 Year 3, S AYB230 AYB219 Year 4, S AYB321 AYB340 Year 4, S	Finance 1 emester 2 Corporations Law Taxation Law emester 1 Strategic Management Accounting Company Accounting emester 2		
EFB210 Year 3, S AYB230 AYB219 Year 4, S AYB321 AYB340 Year 4, S AYB311	Finance 1 emester 2 Corporations Law Taxation Law emester 1 Strategic Management Accounting Company Accounting emester 2 Financial Accounting Issues		

Semesters

 Year 	r 1. Semester 1		
 Year 	r 1, Semester 2		
• <u>Yea</u>	<u>r 2, Semester 1</u>		
Year 2, Semester 2			
 Year 3, Semester 1 			
 Year 3, Semester 2 			
• <u>Yea</u>	<u>r 4, Semester 1</u>		
• <u>Yea</u>	<u>r 4, Semester 2</u>		
 Core 	e Options Units List:		
Code	Title		
Code Year 1, S	Title emester 1		
Code Year 1, S BSB106	Title emester 1 Dynamic Markets		
Code Year 1, S BSB106 BSB105	Title emester 1 Dynamic Markets The Future Enterprise		
Code Year 1, S BSB106 BSB105 Year 1, S	Title emester 1 Dynamic Markets The Future Enterprise emester 2		

	Responsibility				
Select a u List	unit from the Core Options Unit				
Year 2, S	emester 1				
AMB200	Consumer Behaviour				
AMB201	Marketing and Audience Analytics				
Year 2, S	emester 2				
AMB220	Advertising Works				
BSB108	Business Environment				
Year 3, S	emester 1				
AMB319	Consumers and Media Channels				
BSB250	Business Citizenship				
Year 3, S	emester 2				
AMB318	Create Advertising				
Select a u List	init from the Core Options Unit				
Year 4, S	emester 1				
AMB320	Advertising Management				
AMB330	Digital Optimisation				
Year 4, S	emester 2				
AMB339	Advertising Campaigns				
BSB399	Real World Ready - Business Capstone				
Core Opt	Real World Ready - Business Capstone ons Units List:				
Core Opt Select two the follow	Real World Ready - Business Capstone ons Units List: o units (24 credit points) from ing:				
Core Opt Select two the follow BSB130	Real World Ready - Business Capstone ions Units List: o units (24 credit points) from ing: Social Enterprises				
Core Opt Select two the follow BSB130 BSB131	Real World Ready - Business Capstone ions Units List: o units (24 credit points) from ing: Social Enterprises Applied Business Analytics				
Core Opt Select two the follow BSB130 BSB131 BSB305	Real World Ready - Business Capstone ions Units List: o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship				
Core Opt Select tw the follow BSB130 BSB131 BSB305 BSB110	Real World Ready - Business Capstone ions Units List: o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting				
Core Opt Select two the follow BSB130 BSB131 BSB305 BSB110 BSB111	Real World Ready - Business Capstone ions Units List: o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics				

"Select a unit from the Economics Options List or the Core Options Unit List" is repeated 5 times in this course progression. Please note that there are two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groupsmay be undertaken.

Enterprise Skills

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 2
- <u>Core Options Units</u>
- Economics Options List

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Code	Title				
Year 1, S	emester 1				
BSB106	Dynamic Markets				
BSB105	The Future Enterprise				
Year 1, Semester 2					
BSB108	Business Environment				
	Financial Performance and				
BSB107	Responsibility				
Year 2 S	emester 1				
10ar <u>2</u> , 0	Introduction to Applied				
EFB222	Econometrics				
Select a u	unit from the Core Options Unit				
List or Th	e Economics Options List				
*Students	undertake EFB222 as one of				
the Econo	omics Options Units.				
Year 2, S	emester 2				
EFB223	Economics 2				
Select a u	unit from the Core Options Unit				
List or Th	e Economics Options List				
Year 3, S	emester 1				
EFB331	Intermediate Microeconomics				
Select a u	unit from the Core Options Unit				
List or Th	e Economics Options List				
Year 3. S	emester 2				
BSB250	Business Citizenship				
Select a l	init from the Core Ontions Unit				
List or Th	e Economics Ontions List				
Voor 4 S	omostor 1				
тсаг т , О					
BSB399	Real World Ready - Business Capstone				
BSB399 EFB330	Real World Ready - Business Capstone Intermediate Macroeconomics				
BSB399 EFB330 Year 4, S	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2				
BSB399 EFB330 Year 4, S EEB338	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of				
BSB399 EFB330 Year 4, S EFB338	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory				
BSB399 EFB330 Year 4, S EFB338 Select a u	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit				
BSB399 EFB330 Year 4, S EFB338 Select a L List or Th	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List				
BSB399 EFB330 Year 4, S EFB338 Select a L List or Th Core Opti	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List				
BSB399 EFB330 Year 4, S EFB338 Select a L List or Th Core Opti Select two	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List ons Units o units (24 credit points) from				
BSB399 EFB330 Year 4, S EFB338 Select a L List or Th Core Opti Select two the follow	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List ons Units o units (24 credit points) from ing:				
BSB399 EFB330 Year 4, S EFB338 Select a u List or Th Core Opti Select two the follow BSB130	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List ons Units ounits (24 credit points) from ing: Social Enterprises				
BSB399 EFB330 Year 4, S EFB338 Select a L List or Th Core Opti Select two the follow BSB130 BSB131	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory anti from the Core Options Unit e Economics Options List ons Units ounits (24 credit points) from ing: Social Enterprises Applied Business Analytics				
BSB399 EFB330 Year 4, S EFB338 Select a u List or Th Core Opti Select two the follow BSB130 BSB131 BSB305	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List ons Units ounits (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship				
BSB399 EFB330 Year 4, S EFB338 Select a L List or Th Core Opti Select two the follow BSB130 BSB131 BSB305 BSB110	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List ons Units o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting				
BSB399 EFB330 Year 4, S EFB338 Select a L List or Th Core Opti Select two the follow BSB130 BSB131 BSB305 BSB110 BSB111	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List ons Units o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics				
BSB399 EFB330 Year 4, S EFB338 Select a u List or Th Core Opti Select two the follow BSB130 BSB131 BSB305 BSB110 BSB111	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List on Units o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics				
BSB399 EFB330 Year 4, S EFB338 Select a u List or Th Core Opti Select two the follow BSB130 BSB131 BSB305 BSB110 BSB111 BSB009	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List ons Units ounits (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics Experiential Learning: Innovation, Ideas and				
BSB399 EFB330 Year 4, S EFB338 Select a u List or Th Core Opti Select two the follow BSB130 BSB131 BSB305 BSB110 BSB111 BSB009	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List ons Units ounits (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills				
BSB399 EFB330 Year 4, S EFB338 Select a L List or Th Core Opti Select two the follow BSB130 BSB130 BSB131 BSB305 BSB110 BSB111 BSB009 Economic	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List on Units o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills				
BSB399 EFB330 Year 4, S EFB338 Select a L List or Th Core Opti Select two the follow BSB130 BSB131 BSB305 BSB110 BSB111 BSB009 Economic Select for	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List ons Units ounits (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills cs Options List unuits (48 credit points) from				
BSB399 EFB330 Year 4, S EFB338 Select a u List or Th Core Opti Select two the follow BSB130 BSB131 BSB305 BSB110 BSB111 BSB009 Economic Select fou the Quant	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List on Units o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills cs Options List ar units (48 credit points) from titative and/or Applied				
BSB399 EFB330 Year 4, S EFB338 Select a u List or Th Core Opti Select two the follow BSB130 BSB130 BSB131 BSB305 BSB110 BSB111 BSB009 Economic Select fou the Quant Economic	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List on Units o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills cs Options List or units (48 credit points) from titative and/or Applied cs Units List:				
BSB399 EFB330 Year 4, S EFB338 Select a u List or Th Core Opti Select two the follow BSB130 BSB130 BSB131 BSB305 BSB110 BSB111 BSB009 Economic Select fou the Quant Economic	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List ons Units ounits (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills cs Options List ur units (48 credit points) from titative and/or Applied cs Units List: Introduction to Applied				
BSB399 EFB330 Year 4, S EFB338 Select a u List or Th Core Opti Select two the follow BSB130 BSB131 BSB305 BSB110 BSB111 BSB009 Economic Select fou the Quant Economic EFB222	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List ons Units o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills cs Options List ar units (48 credit points) from titative and/or Applied cs Units List: Introduction to Applied Econometrics				
BSB399 EFB330 Year 4, S EFB338 Select a L List or Th Core Opti Select two the follow BSB130 BSB130 BSB131 BSB305 BSB110 BSB111 BSB009 Economic Select fou the Quant Economic EFB222	Real World Ready - Business Capstone Intermediate Macroeconomics emester 2 Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List on Units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills cs Options List ur units (48 credit points) from titative and/or Applied cs Units List: Introduction to Applied Econometrics Applied Behavioural				
BSB399 EFB330 Year 4, S EFB338 Select a u List or Th Core Opti Select two the follow BSB130 BSB130 BSB131 BSB305 BSB110 BSB111 BSB009 Economic Select fou the Quant Economic EFB222 EFB332	Real World Ready - Business Capstone Intermediate Macroeconomics Contemporary Application of Economic Theory unit from the Core Options Unit e Economics Options List ons Units ounits (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills Socions List Introduction to Applied Econometrics Applied Behavioural Economics				

EFB337	Game Theory and Applications
EFB201	Financial Markets
EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB336	International Economics

Semesters

•	Year	1,	Seme	ster	1
			0		~

- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- <u>Core Options Units</u>

CodeTitleYear 1, Semester 1BSB106Dynamic MarketsBSB107Financial Performance and
ResponsibilityYear 1, Semester 2BSB108Business Environment

Select a unit from the Core Options Unit List

Year 2, Semester 1

BSB105 The Future Enterprise EFB210 Finance 1 Year 2, Semester 2 EFB201 Financial Markets Select a unit from the Core Options Unit list Year 3, Semester 1 Corporate Finance EFB343 EFB335 Investments Year 3, Semester 2 BSB250 Business Citizenship EFB312 International Finance Year 4, Semester 1 Real World Ready - Business **BSB399** Capstone

EFB223Economics 2Year 4, Semester 2EFB360Finance CapstoneEFB344Risk Management and
DerivativesCore Options Units

Select two units (24 credit points) from
the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB305Undergraduate Business
InternshipBSB110Accounting

BSB111 Business Law and Ethics

BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
Semeste • Yeal • Yeal • Yeal • Yeal • Yeal • Yeal • Yeal • Core	r 1, Semester 1 r 1, Semester 2 r 2, Semester 1 r 2, Semester 2 r 3, Semester 1 r 3, Semester 2 r 4, Semester 1 r 4, Semester 2 e Options Units List
Code	Title
Year 1, S	emester 1
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, S	emester 2
BSB105	The Future Enterprise
BSB106	Dynamic Markets
Year 2, S	emester 1
BSB111	Business Law and Ethics
Select a u	unit frm the Core Options List
Note: Fina	ancial Planning students
undertake	BSB111 as one of the two
Core Opti	tion purposes
Vear 2 S	emester 2
	Taxation Law
EFR210	Finance 1
Vear 3 S	emester 1
	Personal Financial Planning
RSB250	Rusiness Citizenshin
Voor 2 S	omostor 2
rear 5, 5	Financial Services Degulation
AYB232	and Law
AYB240	Superannuation and Retirement Planning
Year 4, S	emester 1
EFB227	Insurance, Risk Managemen and Estate Planning

Managing Investments and **EFB345 Client Relationships** Year 4, Semester 2 Financial Plan Construction AYB346 (Capstone) Real World Ready - Business **BSB399** Capstone Core Options Units List Financial Planning students select BSB111 and one other (12 credit points) from the Core Options Units List BSB111 **Business Law and Ethics BSB130** Social Enterprises

Applied Business Analytics

Undergraduate Business

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BSB131

BSB305

This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qulvitual4.qul.edu.au/group/student/enrolment/courses/course?course?code=IX23&id=36554. CRICOS No.00213J

	Internship
BSB110	Accounting
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 •
- .
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2 Core Unit Options List
- Code Title Year 1, Semester 1 BSB105 The Future Enterprise BSB108 **Business Environment** Year 1, Semester 2 BSB106 Dynamic Markets Financial Performance and **BSB107** Responsibility Year 2, Semester 1 MGB21 Introducing People 4 Management and Analytics MGB20 Managing People 0 Year 2, Semester 2 MGB22 Obligations and Options for 9 **Employing People** Select a unit from the Core Options Unit List Year 3, Semester 1 BSB250 Business Citizenship MGB23 Recruiting and Selecting 0 People Year 3, Semester 2 MGB33 **Developing People** 1 MGB33 Managing Performance and Rewards 9 Year 4, Semester 1 Real World Ready - Business **BSB399** Capstone Select one unit (12 credit points) from the following: MGB31 Managing Sustainable Change 0 MGB33 Workplace Learning 8 MGB30 Independent Study 6 Year 4, Semester 2 Creating Value through MGB37 2 People Select a unit from the Core Options Unit List

the Core	Options Onit List.
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
Semesters • Year 1, Semester 1 • Year 1, Semester 2 • Year 2, Semester 1 • Year 3, Semester 2 • Year 3, Semester 1 • Year 4, Semester 1 • Year 4, Semester 2 • Core Options Units	
Code	Title
Year 1, S	emester 1
BSB106	Dynamic Markets
BSB108	Business Environment
Year 1, S	emester 2
BSB105	The Future Enterprise
BSB107	Financial Performance and Responsibility
Year 2, S	emester 1
AMB210	Importing and Exporting
Select a u	unit frm the Core Options List
Year 2, S	emester 2
MGB22	Intercultural Communication
5	and Negotiation Skills
Select a unit from the Core Options Unit list	
Year 3, S	emester 1
AYB227	International Accounting
BSB250	Business Citizenship
Year 3, S	emester 2
Year 3, S EFB240	emester 2 Finance for International Business
Year 3, S EFB240 MGB34 0	Finance for International Business International Business in the Asia-Pacific
Year 3, S EFB240 MGB34 0 Year 4, S	Finance for International Business International Business in the Asia-Pacific emester 1
Year 3, S EFB240 MGB34 0 Year 4, S AMB303	Finance for International Business International Business in the Asia-Pacific emester 1 International Logistics
Year 3, S EFB240 MGB34 0 Year 4, S AMB303 AMB336	Finance for International Business International Business in the Asia-Pacific emester 1 International Logistics International Marketing
Year 3, S EFB240 MGB34 0 Year 4, S AMB303 AMB336 Year 4, S	emester 2Finance for International BusinessInternational Business in the Asia-Pacificemester 1International LogisticsInternational Marketingemester 2
Year 3, S EFB240 MGB34 0 Year 4, S AMB303 AMB336 Year 4, S AMB369	emester 2Finance for International BusinessInternational Business in the Asia-Pacificemester 1International LogisticsInternational Marketingemester 2International Business Strategy
Year 3, S EFB240 MGB34 0 Year 4, S AMB303 AMB303 Year 4, S AMB369 BSB399	Finance for International Business International Business in the Asia-Pacific emester 1 International Logistics International Marketing emester 2 International Business Strategy Real World Ready - Business Capstone
Year 3, S EFB240 MGB34 0 Year 4, S AMB303 AMB336 Year 4, S AMB369 BSB399 Core Opt	emester 2 Finance for International Business International Business in the Asia-Pacific emester 1 International Logistics International Marketing emester 2 International Business Strategy Real World Ready - Business Capstone ions Units
Year 3, S EFB240 MGB34 0 Year 4, S AMB303 AMB336 Year 4, S AMB369 BSB399 Core Opt Select tw the follow	Finance for International Business International Business in the Asia-Pacific emester 1 International Logistics International Marketing emester 2 International Business Strategy Real World Ready - Business Capstone ions Units o units (24 credit points) from ring:

Core Unit Options List

Select two units (24 credit points) from

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

	٠	Year ⁻	1, Semes	ster
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- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List

Code	Title
Year 1, S	emester 1
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, S	emester 2
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, S	emester 1
MGB22 5	Intercultural Communication and Negotiation Skills
MGB20 0	Managing People
Year 2, S	emester 2
MGB22 6	Innovation, Knowledge and Creativity
Select a u list	unit from the Core Options Unit
Year 3, S	emester 1
BSB250	Business Citizenship
Select one of the following:	
MGB21 0	Managing Operations
MGB22 7	Entrepreneurship
Students	undertaking the Management
stream must complete MGB210.	
Sudents undertaking the	
MGB227.	
Year 3, S	emester 2
Select a u List	unit from the Core Options Unit
Select one of the following:	
MGB33 5	Managing Projects
MGB32 4	Managing Business Growth
Students	undertaking the Management



stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324.

Year 4, Semester 1		
MGB34 1	Managing Risk	
BSB399	Real World Ready - Business Capstone	
Year 4, S	emester 2	
MGB30 9	Managing Strategically	
Select one of the following:		
MGB31 0	Managing Sustainable Change	
MGB33 8	Workplace Learning	
Core Opt	ions Units List	
Select two the follow	o units (24 credit points) from ring:	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
 Year 4, Semester 2
- Core Options Units List •

Code	Title	
Year 1, Semester 1		
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, S	Year 1, Semester 2	
BSB107	Financial Performance and Responsibility	
Select a unit from the Core Options Unit List		
Year 2, S	emester 1	
BSB108	Business Environment	
Select a unit from the Core Options List		
Year 2, S	emester 2	
AMB200	Consumer Behaviour	
AMB240	Marketing Planning and Management	
Year 3, S	emester 1	
AMB202	Integrated Marketing Communication	

AMB201	Marketing and Audience Analytics
Year 3, S	emester 2
BSB250	Business Citizenship
AMB330	Digital Optimisation
Year 4, S	emester 1
AMB340	Services Marketing
AMB336	International Marketing
Year 4, S	emester 2
BSB399	Real World Ready - Business Capstone
AMB359	Strategic Marketing
Core Opt	ions Units List
Core Opt Select tw the follow	o units (24 credit points) from ring:
Core Opt Select tw the follow BSB130	ions Units List o units (24 credit points) from ring: Social Enterprises
Core Opt Select tw the follow BSB130 BSB131	ions Units List o units (24 credit points) from ring: Social Enterprises Applied Business Analytics
Core Opt Select tw the follow BSB130 BSB131 BSB305	ions Units List o units (24 credit points) from ring: Social Enterprises Applied Business Analytics Undergraduate Business Internship
Core Opt Select tw the follow BSB130 BSB131 BSB305 BSB110	ions Units List o units (24 credit points) from ring: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting
Core Opt Select tw the follow BSB130 BSB131 BSB305 BSB110 BSB111	ions Units List o units (24 credit points) from ring: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2 .
- Core Options Units List

Code	Titl
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Year 1, Semester 1			
BSB106	Dynamic Markets		
BSB105	The Future Enterprise		
Year 1, S	Year 1, Semester 2		
BSB108	Business Environment		
BSB107	Financial Performance and Responsibility		
Year 2, Semester 1			
AMB264	Media Relations and Publicity		
AMB263	Introduction to Public Relations		
Year 2, S	Year 2, Semester 2		
AMB201	Marketing and Audience Analytics		
AMB372	Public Relations Planning		
Year 3, Semester 1			
BSB250	Business Citizenship		
AMB374	Global Public Relations Cases		
Year 3, S	emester 2		
AMB375	Internal Communication and Change		

Select a unit from the Core Options Unit List		
Year 4, Semester 1		
BSB399	Real World Ready - Business Capstone	
AMB373	Issues, Stakeholders and Reputation	
Year 4, Semester 2		
AMB379	Public Relations Campaigns	
Select a unit from the Core Options Unit List		
Core Opti	ons Units List	
Select two units (24 credit points) from the following:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
	Experiential Learning:	

Innovation, Ideas and Enterprise Skills

the university for the real world

BSB009

Year	2021
QUT code	IX30
CRICOS	059601K
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$9,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$31,700 per year full-time (96 credit points)
Total credit points	384
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Director of Studies, QUT Business School; or Professor Tim Moroney (Mathematics); email:askqut@qut.edu.au; ph: +61 7 3138 2000
Discipline Coordinator	Associate Prof Belinda Luke (Accountancy); Nicolas Pontes (Advertising); Dr Radhika Lahiri (Economics); Dr Mark Doolan (Finance); Dr Ali Muhammad (Human Resource Management); Dr Shane Mathews (International Business); Dr Kavoos Mohannak (Management); Prof Larry Neale (Marketing); and Dr Anne Lane (Public Relations). Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Decision Science/Operations Research; and Statistics) Business Student Services: bus@qut.edu.au; Mathematics: askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

Your Business studies will combine the broad knowledge of business practice and in depth studies in at least one business discipline area in the Bachelor of Business with the advanced quantitative skills and problem solving abilities that you will develop with the Bachelor of Mathematics.

You will develop the ability to apply mathematics, statistics, computational methods and decision science to real world problems. You will also gain understanding of the broad principles of Business at the same time as developing the skills and discipline knowledge necessary to enter the business career of your choice.

Career Outcomes

Combining business and mathematics offers diverse and sustainable career opportunities.

Business graduates are equipped to undertake sophisticated economic and financial modelling which is important in business and government decision making. Quantitative analysts are employed by the financial sector in order to optimise returns both in the short and long-term. Graduates may also become actuarial trainees in the insurance and superannuation area although further study is required in order to qualify as an actuary.

Business graduates may find employment as Accountants, Advertising Professionals, Banking and Finance Consultants, Economists, Human Resource Managers, International Business Specialists, Managers, Marketing Officers, Public Relations Officers.

Mathematics graduates are employed across a wide range of areas. These include, but are not limited to, finance, investment, data analytics, defence and national security, research, information technology, environmental science, health, management, marketing, logistics, media, and education. In addition to their knowledge and skills in mathematics, graduates are also highly valued for their analytical and problem-solving skills. Development of skills in communication, problem-solving, critical thinking and teamwork form an integral part of the course.

Favourable career outcomes for Bachelor of Mathematics graduates are likely due to the current demand for qualified statisticians and mathematicians.

Professional Recognition

Both degrees allow you to satisfy the requirements of membership of the relevant professional body for your chosen majors.

Financial Support

You should consider applying for an industry-sponsored mathematics bursary or a business scholarship to help you financially throughout your studies. For further information visit <u>Scholarships</u>.

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Mathematics program and 192 credit points from the Bachelor of Business program.

Business component:

 eight Business School core units (96 credit points) including MGB227 (see below)*



eight major core units (96 credit points)

*Please note that BSB123 Data Analysis (one of the Business School core units) is not required as the content of MXB107 covers similar topics. MGB227 Entrepreneurship replaces

BSB123.

*Accounting major students complete six business core units and 10 accountancy major units to allow them to complete professional requirements.

Mathematics component:

- six core units (72 credit points), which are further divided into four mathematics core units (48 credit points), and two core option units (24 credit points) selected from an approved list
- 10 major core units (120 credit points)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school: an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics. science and computing to simulate realworld problems.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Mathematics program and 192 credit points from the Bachelor of Business program.

Business component:

- eight Business School core units (96 credit points) including MGB227 (see below)*
- eight major core units (96 credit points)

*Please note that BSB123 Data Analysis (one of the Business School core units) is not required as the content of MXB107 covers similar topics. MGB227 Entrepreneurship replaces BSB123.

*Accounting major students complete six business core units and 10 accountancy major units to allow them to complete professional requirements.

Mathematics component:

- Six core units (72 credit points), which are further divided into four mathematics core units (48 credit points), and two core option units (24 credit points) selected from an approved list
- 10 major core units (120 credit points)

Mathematics core units

These units give you the grounding in mathematical theory and practice upon which your major units will build, and also provide an introductory taste of each of the three majors: applied and computational mathematics; decision science; and statistical science.

Core option units

You may choose from a wide variety of introductory units from other disciplines offered at QUT, or you may choose additional mathematics units. The additional mathematics units include a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail: and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems.

Sample Structure Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Title

Code

Year 1 Semester 1

Business School Unit

Business School Unit

Maths Core Unit

Maths Core Unit

Business School Unit
Business School Unit
Maths Core Unit
Maths Core Unit
Year 2 Semester 1
Business School Unit
Business School Unit
Maths Core Unit
Maths Core Option Unit
Year 2 Semester 2
Business School Unit
Business School Unit
Maths Core Unit
Maths Core Unit
Year 3 Semester 1
Business School Unit
Business School Unit
Maths Common Major Unit
Maths Major Unit
Year 3 Semester 2
Business School Unit
Business School Unit
Maths Common Major Unit
Maths Major Unit
Year 4 Semester 1
Business School Unit
Business School Unit
Maths Major Unit
Maths Major Unit
Year 4 Semester 2
Business School Unit
Business School Unit
Maths Major Unit
Maths Major Unit (Capstone)

Vear 1 Semester 2

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- <u>rear</u> J, Jennester
 Vear 2, Somester (
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code	litie	
Year 1, S	Year 1, Semester 1	
BSB107	Financial Performance and Responsibility	
BSB108	Business Environment	
Year 1, Semester 2		
BSB111	Business Law and Ethics	
BSB110	Accounting	
Accountancy students undertake BSB110 and BSB111 as the Core Option Units to ensure professional		

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accreditation.		
Year 2, S	Year 2, Semester 1	
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 2, S	emester 2	
AYB225	Management Accounting	
AYB200	Financial Accounting	
Year 3, Semester 1		
AYB221	Accounting Systems and Analytics	
EFB210	Finance 1	
Year 3, S	emester 2	
AYB230	Corporations Law	
AYB219	Taxation Law	
Year 4, Semester 1		
AYB321	Strategic Management Accounting	
AYB340	Company Accounting	
Year 4, Semester 2		
AYB311	Financial Accounting Issues	
AYB301	Audit and Assurance	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2 •
- Year 2, Semester 1 ٠ •
- Year 2, Semester 2 Year 3, Semester 1 ٠
- Year 3, Semester 2
- Year 4, Semester 1 ٠
- Year 4, Semester 2
- Core Options Units List:

Code	Title
Year 1, S	emester 1
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, S	emester 2
BSB107	Financial Performance and Responsibility
Select a unit from the Core Options Unit List	
Year 2, Semester 1	
AMB200	Consumer Behaviour
AMB201	Marketing and Audience

Analytics

Year 2, Semester 2	
AMB220	Advertising Works
BSB108	Business Environment
Year 3, Semester 1	
AMB319	Consumers and Media Channels
BSB250	Business Citizenship
Year 3, Semester 2	
AMB318	Create Advertising
Select a unit from the Core Options Unit List	

Year 4, Semester 1

AMB320	Advertising Management
AMB330	Digital Optimisation
Year 4, S	emester 2
AMB339	Advertising Campaigns
BSB399	Real World Ready - Business Capstone
Core Opt	ions Units List:
Select two the follow	o units (24 credit points) from ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

"Select a unit from the Economics Options List or the Core Options Unit List" is repeated 5 times in this course progression. Please note that there are two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groupsmay be undertaken.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- . Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2 ٠
- Core Options Units •
- Economics Options List

Code	Title	
Year 1, S	emester 1	
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, S	emester 2	
BSB108	Business Environment	
BSB107	Financial Performance and Responsibility	
Year 2, Semester 1		
EFB222	Introduction to Applied Econometrics	
Select a unit from the Core Options Unit List or The Economics Options List		
*Students undertake EFB222 as one of the Economics Options Units.		
Year 2, Semester 2		
EFB223	Economics 2	
Select a unit from the Core Options Unit List or The Economics Options List		
Year 3 S	emester 1	

EFB331	Intermediate Microeconomics
Select a u	unit from the Core Options Unit
List or Th	e Economics Options List
Year 3, S	emester 2
BSB250	Business Citizenship
Select a ι List or Th	unit from the Core Options Unit e Economics Options List
Year 4, S	emester 1
BSB399	Real World Ready - Business Capstone
EFB330	Intermediate Macroeconomics
Year 4, S	emester 2
EFB338	Contemporary Application of Economic Theory
Select a ι List or Th	unit from the Core Options Unit e Economics Options List
Core Opt	ions Units
Select tw	o units (24 credit points) from
the follow	ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
Economio	cs Options List
Select fou the Quan Economic	ur units (48 credit points) from titative and/or Applied cs Units List:
EFB222	Introduction to Applied Econometrics
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics
EFB337	Game Theory and
	Applications
EFB201	Applications Financial Markets
EFB201 EFB225	Applications Financial Markets Economics for the Real World
EFB201 EFB225 EFB226	Applications Financial Markets Economics for the Real World Environmental Economics and Policy
EFB201 EFB225 EFB226 EFB336	Applications Financial Markets Economics for the Real World Environmental Economics and Policy International Economics

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2 .
- <u>Core Options Units</u>

Code Title

Year 1, Semester 1 BSB106 Dynamic Markets



This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX30&id=36555. CRICOS No.00213J

BSB107	Financial Performance and Responsibility
Year 1, S	emester 2
BSB108	Business Environment
Select a u List	unit from the Core Options Unit
Year 2, S	emester 1
BSB105	The Future Enterprise
EFB210	Finance 1
Year 2, S	emester 2
EFB201	Financial Markets
Select a u list	unit from the Core Options Unit
Year 3, S	emester 1
EFB343	Corporate Finance
EFB335	Investments
Year 3, S	emester 2
BSB250	Business Citizenship
EFB312	International Finance
Year 4, S	emester 1
BSB399	Real World Ready - Business Capstone
EFB223	Economics 2
Year 4, S	emester 2
EFB360	Finance Capstone
EFB344	Risk Management and Derivatives
Core Opt	ions Units
Select tw the follow	o units (24 credit points) from ring:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB131 BSB305	Applied Business Analytics Undergraduate Business Internship
BSB131 BSB305 BSB110	Applied Business Analytics Undergraduate Business Internship Accounting
BSB131 BSB305 BSB110 BSB111	Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 ٠
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1 •
- ٠
- Year 4, Semester 2
- Core Options Units List ٠

Code	Title
Year 1, Semester 1	
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, Semester 2	
BSB105	The Future Enterprise

Voor 2 S			
	emester 1		
BSB111	11 Business Law and Ethics		
Select a u	unit frm the Core Options List		
Note: Financial Planning students undertake BSB111 as one of the two Core Options Units for professional accreditation purposes			
Year 2, S	emester 2		
AYB219	Taxation Law		
EFB210	Finance 1		
Year 3, S	emester 1		
AYB250	Personal Financial Planning		
BSB250	Business Citizenship		
Year 3, S	emester 2		
AYB232	Financial Services Regulation and Law		
AYB240	Superannuation and Retirement Planning		
Year 4, Semester 1			
EFB227	Insurance, Risk Management and Estate Planning		
EFB345	Managing Investments and Client Relationships		
Year 4, S	emester 2		
AYB346	Financial Plan Construction (Capstone)		
BSB399	Real World Ready - Business Capstone		
Core Opti	ions Units List		
Financial Planning students select BSB111 and one other (12 credit points) from the Core Options Units List			
BSB111	Business Law and Ethics		
BSB130	Social Enterprises		
BSB131	Applied Business Analytics		
BSB305	Undergraduate Business Internship		
BSB110	Accounting		
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills		

Semesters

- Year 1, Semester 1
 Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 ٠
- Year 3, Semester 2 •
- Year 4, Semester 1 Year 4, Semester 2
- Core Unit Options List

Code Title

Year 1, Semester 1 BSB105 The Future Enterprise

BSB108 Business Environment

Year 1, Semester 2

BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Year 2, S	emester 1	
MGB21 4	Introducing People Management and Analytics	
MGB20 0	Managing People	
Year 2, S	emester 2	
MGB22 9	Obligations and Options for Employing People	
Select a u List	unit from the Core Options Unit	
Year 3, S	emester 1	
BSB250	Business Citizenship	
MGB23 0	Recruiting and Selecting People	
Year 3, <u>S</u>	emester 2	
MGB33 1	Developing People	
MGB33 9	Managing Performance and Rewards	
Year 4, S	emester 1	
BSB399	Real World Ready - Business Capstone	
Select on the follow	e unit (12 credit points) from ing:	
MGB31 0	Managing Sustainable Change	
MGB33 8	Workplace Learning	
MGB30 6	Independent Study	
Year 4, <u>S</u>	emester 2	
MGB37 2	Creating Value through People	
Select a unit from the Core Options Unit List		
Core Unit Options List		
Select two units (24 credit points) from the Core Options Unit List:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1

Code

BSB107

Title

BSB105 The Future Enterprise BSB108 Business Environment

Responsibility

Financial Performance and

BSB106 Dynamic Markets

Year 1, Semester 1

Year 1, Semester 2

Year 2, Semester 1

- Year 4, Semester 2
- Core Options Units

Code	Title	
Year 1, S	emester 1	
BSB106	Dynamic Markets	
BSB108	Business Environment	
Year 1, S	emester 2	
BSB105	The Future Enterprise	
BSB107	Financial Performance and Responsibility	
Year 2, S	emester 1	
AMB210	Importing and Exporting	
Select a u	unit frm the Core Options List	
Year 2, S	emester 2	
MGB22 5	Intercultural Communication and Negotiation Skills	
Select a u list	unit from the Core Options Unit	
Year 3, S	emester 1	
AYB227	International Accounting	
BSB250	Business Citizenship	
Year 3, S	emester 2	
EFB240	Finance for International Business	
MGB34 0	International Business in the Asia-Pacific	
Year 4, S	emester 1	
AMB303	International Logistics	
AMB336	International Marketing	
Year 4, S	emester 2	
AMB369	International Business Strategy	
BSB399	Real World Ready - Business Capstone	
Core Opt	ions Units	
Select two the follow	o units (24 credit points) from ing:	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1 • Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2 ٠
- Core Options Units List

MGB22 5	Intercultural Communication and Negotiation Skills		
MGB20 0	Managing People		
Year 2, S	emester 2		
MGB22 6	Innovation, Knowledge and Creativity		
Select a l	unit from the Core Options Unit		
Vear 3 S	emester 1		
Soloct on	Dusiness Cilizenship		
MCD24	le of the following.		
0	Managing Operations		
MGB22 7	Entrepreneurship		
Students stream m	Students undertaking the Management stream must complete MGB210.		
Students	undertaking the		
Entreprer MGB227	neurship stream must complete		
Year 3, S	emester 2		
Select a List	unit from the Core Options Unit		
Select on	e of the following:		
MGB33 5	Managing Projects		
MGB32 4	Managing Business Growth		
Students undertaking the Management stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324			
Year 4. S	emester 1		
MGB34 1	Managing Risk		
BSB399	Real World Ready - Business Capstone		
Year 4. S	emester 2		
MGB30	Managing Strategically		
Select on	e of the following:		
MGB31	Managing Sustainable		
0 MGB33	Change Workplace Learning		
8 Core Opt	ions Units List		
Soleet to	o unito (24 orodit pointo) from		
Select	o units (24 creat points) from		
o information of the	4		
se mormation, visi urseCode=IX30&i	ռ d=36555. CRICOS No.00213J		

the following:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

 Year 1, Semester 1 			
Year 1, Semester 2			
 Year 2, Semester 1 			
• <u>Year 2, Semester 2</u>			
• <u>Year 3, Semester 1</u>			
• <u>16a</u> • Vea	$r \Lambda$ Semester 1		
Year 4, Semester 2			
Core Options Units List			
Code Title			
Year 1, S	emester 1		
BSB106	Dynamic Markets		
BSB105	The Future Enterprise		
Year 1, S	emester 2		
BSB107	Financial Performance and Responsibility		
Select a u List	unit from the Core Options Unit		
Year 2, S	emester 1		
BSB108	Business Environment		
Select a u	unit from the Core Options List		
Year 2, S	emester 2		
AMB200	Consumer Behaviour		
AMB240	Marketing Planning and Management		
Year 3, S	emester 1		
AMB202	Integrated Marketing Communication		
AMB201	Marketing and Audience Analytics		
Year 3, S	emester 2		
BSB250	Business Citizenship		
AMB330	Digital Optimisation		
Year 4, S	emester 1		
AMB340	Services Marketing		
AMB336	International Marketing		
Year 4, Semester 2			
BSB399	Real World Ready - Business Capstone		
AMB359	Strategic Marketing		
Core Opt	ions Units List		
Select tw the follow	o units (24 credit points) from ring:		
BSB130	Social Enterprises		
BSB131	Applied Business Analytics		



This information is correct as at 16/12/2021. For the most up-to-date course https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?cou

BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 •
- Year 2, Semester 2 Year 3, Semester 1 ٠
- •
- Year 3, Semester 2 • Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List

Code	Title		
Year 1, S	Year 1, Semester 1		
BSB106	Dynamic Markets		
BSB105	The Future Enterprise		
Year 1, S	emester 2		
BSB108	Business Environment		
BSB107	Financial Performance and Responsibility		
Year 2, S	emester 1		
AMB264	Media Relations and Publicity		
AMB263	Introduction to Public Relations		
Year 2, S	emester 2		
AMB201	Marketing and Audience Analytics		
AMB372	Public Relations Planning		
Year 3, S	emester 1		
BSB250	Business Citizenship		
AMB374	Global Public Relations Cases		
Year 3, S	emester 2		
AMB375	Internal Communication and Change		
Select a unit from the Core Options Unit			
Year 4, S	emester 1		
BSB399	Real World Ready - Business Capstone		
AMB373	Issues, Stakeholders and Reputation		
Year 4, S	emester 2		
AMB379	Public Relations Campaigns		
Select a unit from the Core Options Unit List			
Core Options Units List			
Select two the follow	o units (24 credit points) from ring:		
BSB130	Social Enterprises		
BSB131	Applied Business Analytics		
BSB305 Undergraduate Business Internship			

BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- Applied and Computational
- Mathematics Major unit set:
- Year 1 Semester 1
 Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 • Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title	
Applied and Computational Mathematics Major unit set:		
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	re Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
Year 4 Se	emester 1	
MXB322	Partial Differential Equations	
MXB326	Computational Methods 2	
Year 4 Se	emester 2	
MXB325	Modelling with Differential Equations 2	
MXB328	Work Integrated Learning in Applied and Computational Mathematics	

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
 Year 2 Semester 1
- Year 2 Semester 2

Year 4 Semester 1 Year 4 Semester 2		
Code	Title	
Operation	ns Research Major unit set:	
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	ore Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB232	Introduction to Operations Research	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
Year 4 Semester 1		
MXB332	Optimisation Modelling	
MXB341	Statistical Inference	
Year 4 Se	emester 2	
MXB334	Operations Research for Stochastic Processes	
MXB338	Work Integrated Learning in Operations Research	

 Year 3 Semester 1 Year 3 Semester 2

Semesters

- Statistical Science Major unit set:
- Year 1 Semester 1
 Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 .
- Year 4 Semester 1
- Year 4 Semester 2

n	Code	Title
	Statistical	Science Major unit set:
	Year 1 Se	emester 1
<u>set:</u>	MXB102	Abstract Mathematical Reasoning
	MXB106	Linear Algebra
	Year 1 Se	emester 2
	MXB105	Calculus and Differential
the university for the real world		

Bachel	or of Business/Bachelor of
	Equations
MXB161	Computational Explorations
Year 2 Se	emester 1
MXB101	Probability and Stochastic Modelling 1
Maths Co	ore Options Unit
Year 2 Se	emester 2
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Se	emester 1
MXB201	Advanced Linear Algebra
MXB242	Regression and Design
Year 3 Se	emester 2
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Se	emester 1
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Se	emester 2
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics



Bachelor of Creative Industries/Bachelor of Information Technology

Year	2021
QUT code	IX56
CRICOS	059227E
Duration (full-time)	4 years
OP	11
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
International fee (indicative)	2018: \$29,400 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dean Brough (Creative Industries); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Wayne Kelly (Computer Science); Dr Erwin Fielt (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

This double degree allows you to complement your technical skills with creative skills through digital media and film production. You will learn to merge the creative and imaginative with the technical to develop sophisticated and innovative digital products. You can choose to complement your skill set through a range of information technology and creative industries areas of interest to diversify your studies, including: • animation

- art and design history
- creative and professional writing
- dance studies
- digital media
- entertainment industries
- entrepreneurship
- fashion communication
- film, television and screen game design
- interactive and visual design
- journalism, media and communication literary studies
- music
- online environments

Career Outcomes

As a graduate you can enjoy the more creative side of information technology careers including digital media programmer, simulation designer or developer, games producer or designer, sound designer, mobile entertainment and communications developer, user interface developer, knowledge worker in music and sound, web developer and digital product strategist.

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Course Design

You will undertake the Bachelor of Creative Industries core units as well as one creative industries major. Your information technology degree component comprises eight core units, four breadth units, and four units in your information technology specialisation.

Study Areas

The Bachelor of Information Technology has majors in Information Systems and Computer Science which will be shown on the a graduate's parchment.

Pathways to Further Studies

On successful completion of this course, you will be eligible to apply for entry into the Bachelor of Creative Industries (Honours), provided you have met entry requirements.

The QUT Bachelor of Information Technology is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in this discipline with an additional honours year in (IN10) Bachelor of Information Technology (Honours).



Work Integrated Learning

The Faculty's Work Integrated Learning Minor gives you the opportunity of industry placement during your course where you can integrate real experience with what you're learning in your degree. Companies that QUT's students have worked with include Energex, Boeing, CITEC, CSC Mining, Environmental Protection Agency, Dialog, UNiTAB, RACQ and many Queensland Government departments.

Unit

Incompatibility/Translation Information

Details on the translation and incompatibility of old and new units is located here:

Undergraduate Translation Table If you have completed the unit(s) listed under the "Translation Unit Codes" column, you are not permitted to enrol in

Domestic Course structure

You will undertake the Bachelor of Creative Industries core units (96 credit points) as well as 96 credit points from a creative industries major.

The Bachelor of Information Technology degree comprises of:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option units* selected from an approved list
- 120 credit points (10 units) of major core units (Information Systems or Computer Science).

Study overseas

the listed new code.

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure

You will undertake the Bachelor of Creative Industries 96cp core units as well as 96cp from a creative industries major.

The Bachelor of Information Technology degree comprises of ;

• 72 credit points (6 units) of Information Technology Core units, which includes 24 credit points (2 units) of Option Units* selected from an approved list.

• 120 credit points (10 units) of Major Core units (Information Systems or Computer Science).

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 .
- Year 3, Semester 2
- Year 4, Semester 1 ٠
- Year 4, Semester 2

Code Title

Year 1, Semester 1

IT Core Unit

- IT Core Unit
- Creative Industries: People KKB101 and Practices

Creative Industries Major: First Unit

Year 1, Semester 2

IT Core Unit

IT Core Unit

Creative Industries: Making KKB102 Connections

Creative Industries Major: Second Unit

Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.

Year 2, Semester 1

IT	Core	Unit Option
IT	Core	Unit Option

A unit from the Level 1 Unit Options (either DXB102 or KPB101 or KVB104):

DXB102 Visual Communication Introduction to Screen **KPB101**

Production

KVB104 Photo Media and Art Practice Creative Industries Major: Third Unit

Note: For students intending to complete KYB201 Socially Engaged Arts Practice as the 'Level 2 Unit Option' - you should enrol in KYB201 in Year 2 Semester 1 instead of your Creative Industries Major: Third Unit. You will undertake your Creative Industries Major: Third Unit in Year 2 Semester 2.

Year 2, Semester 2

- IT Major Unit
- IT Major Unit A unit from the Level 2 Unit Options (either KKB285 or KYB201): KKB285 Creative Enterprise Studio 2 Socially Engaged Arts
- **KYB201** Practice

Creative Industries Major: Fourth Unit Note: KXB202 Project Management for Entertainment and KTB211 Creative Industries Events and Festivals are permitted to count as a 'Level 2 Unit Option'.

Note: For students intending to complete KYB201 Socially Engaged Arts Practice as the 'Level 2 Unit Option' - you should enrol in KYB201 in Year 2 Semester 1 instead of your Creative Industries Major: Third Unit. You will undertake your Creative Industries Major: Third Unit in Year 2 Semester 2.

Year 3, Semester 1

IT Major Unit

IT Major Unit

Creative Industries Major: Fifth Unit

A unit from the Creative Industries University Wide or Work Integrated Learning Unit Options lists

Year 3, Semester 2

IT Major Unit

IT Maior Unit

Creative Industries Major: Sixth Unit

A unit from the Creative Industries University Wide or Work Integrated Learning Unit Options lists

Year 4, Semester 1

IT Maior Unit

IT Major Unit

Creative Industries Major: Seventh Unit A unit from the Creative Industries Work

Integrated Learning Unit Options

Year 4, Semester 2

IT Major Unit

IT Major Unit

Creative Industries Major: Eighth Unit

A unit from the Creative Industries Work Integrated Learning Unit Options



QUT

Bachelor of Fine Arts (Interactive and Visual Design)/Bachelor of Information Technology

Year	2021
QUT code	IX69
CRICOS	064812A
Duration (full-time)	4 years
OP	11
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
International fee (indicative)	2018: \$29,600 per year full-time (96 credit points)
Total credit points	384
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design (Creative Industries); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Anastasia Tyurina (Interactive and Visual Design); Dr Wayn Kelly (Computer Science) and Dr Erwin Fielt (Information Systems). +61731382000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

• English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Career Outcomes

This double degree will set you up for a career in the rapidly expanding fields of contemporary communication and the application of new media technologies.

Course Structure

This course is made up of 384 credit points. Each component (i.e. Information Technology, and Interactive and Visual Design) comprises 192 credit points.

Study Areas

The Bachelor of Information Technology will not have nominated majors and minors and consequently there will not be a Study Area A shown on a graduate's parchment. Instead, it will have specialisations. The specialisation areas that will be available for students will include:

Business Process Management

- Data Warehousing
- Digital Environments
- Enterprise Systems
- Information Management
- Network Systems
- Software Engineering
- Web Technologies

Pathways to Further Studies

In 2001, an accelerated Honours program was introduced to increase the number of Bachelor of Information Technology students continuing their studies to complete the Honours year. The program allowed selected high achieving students the opportunity to undertake one postgraduate unit in the final semester of their a BIT degree (or double degree) which would be counted both for completion of the degree and towards the Honours program. The program also provided students with the opportunity to commence their Honours studies over the Summer Semester.

An alternative to the Honours program is the Master of Information Technology (Research). Students who complete a BIT degree (or double degree) with a grade point average equal to, or greater than 5 (7 point scale) and who have decided against enrolling in an Honours program, could undertake this course. In addition, students may wish to enrol in the redesigned postgraduate coursework Masters which has ten specialisations allowing students to either extend their area of interest or specialise in other areas at the Masters level.

Alternatively, on successful completion of this course you will be eligible to apply for entry into the Bachelor of Fine Arts (Honours), provided you have met entry requirements.

Cooperative Education

The Faculty of Science and Engineering's Cooperative Education Program gives you the opportunity of 10-12 months paid industry placement during your course where you can integrate real experience with what you're learning in your degree. Companies that QUT's Coop Ed students have worked with include Energex, Boeing, CITEC, CSC Mining, Environmental Protection Agency, Dialog, UNITAB, RACQ and many Queensland Government departments. The Coop Ed Program is available to Australian citizens and permanent residents only.

Find out more about the <u>Cooperative</u> Education Program.



Bachelor of Fine Arts (Interactive and Visual Design)/Bachelor of Information Technology

Domestic Course structure

This course is made up of 384 credit points. Each component (i.e. Information Technology, and Interactive and Visual Design) comprises 192 credit points.

Study areas

The Bachelor of Information Technology has majors in information systems and computer science. The major study area will be shown on a graduate's parchment.

Study overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

International Course structure **Course Structure**

This course is made up of 384 credit points. Each component (i.e. Information Technology, and Interactive and Visual Design) comprises 192 credit points.

Study Areas

The Bachelor of Information Technology has majors in Information Systems and Computer Sciencethe Major Study Area A will be shown on a graduate's parchment.

Study Overseas

Study overseas while earning credit towards your QUT degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2 ٠
- Year 2, Semester 1 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2

Code	Title
Year 1, Semester 1	
IFB101	Impact of IT
IFB102	Introduction to Computer Systems
DXB101	Design and Creative Thinking

2.1.2.102	
Year 1, S	emester 2
IFB130	Database Management
IFB104	Building IT Systems
DXB201	Visual Interactions
DXB203	Introduction to Web Design
Note: Stu	dents considering studying
overseas	in Year 2 Semester 2 must
apply by ?	1 November.
Year 2, S	emester 1
IT Core U	nit Option
IFB103	IT Systems Design
DXB403	Design for Interactive Media
KNB126	Motion Design
Year 2, S	emester 2
IT Major l	Jnit
IT Major l	Jnit
DXB202	Image Production
KNR136	Visual Storytelling: Production
KIND 150	Design
Year 3, S	emester 1
IT Major l	Jnit
IT Major l	Jnit
DVB201	Typographic Design
DXB301	Interface Design
Year 3, S	emester 2
IT Major l	Jnit
IT Major l IT Major l	Jnit Jnit
IT Major U IT Major U	Jnit Jnit Theories and Methods of
IT Major U IT Major U DVB203	Jnit Jnit Theories and Methods of Visual Communication
IT Major U IT Major U DVB203 DXB401	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design
IT Major U IT Major U DVB203 DXB401 Year 4, S	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U DXH702	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U DXH702 SEMEST	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U DXH702 SEMEST One unit f	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit
IT Major (IT Major (DVB203 DXB401 Year 4, S IT Major (IT Major (DXH702 SEMEST One unit f Options (Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit DXB212 or DVB302):
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U DXH702 SEMEST One unit 1 Options (I DVB302	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit DXB212 or DVB302): Data Visualisation and Information Design
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U DXH702 SEMEST One unit 1 Options (I DVB302 DXB212	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit DXB212 or DVB302): Data Visualisation and Information Design Tangible Media
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U DXH702 SEMESTI One unit 1 Options (I DVB302 DXB212 Year 4, S	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit DXB212 or DVB302): Data Visualisation and Information Design Tangible Media emester 2
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U DXH702 SEMEST One unit 1 Options (I DVB302 DXB212 Year 4, S IT Major U	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit DXB212 or DVB302): Data Visualisation and Information Design Tangible Media emester 2 Jnit
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U DXH702 SEMEST One unit f Options (I DVB302 DXB212 YEAR 4, S IT Major U IT Major U	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit DXB212 or DVB302): Data Visualisation and Information Design Tangible Media emester 2 Jnit Jnit
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U DXH702 SEMEST One unit f Options (I DVB302 DXB212 Year 4, S IT Major U IT Major U	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit DXB212 or DVB302): Data Visualisation and Information Design Tangible Media emester 2 Jnit Jnit Professional Practice for
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U DXH702 SEMESTI One unit f Options (I DVB302 DXB212 Year 4, S IT Major U IT Major U DXH803	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit DXB212 or DVB302): Data Visualisation and Information Design Tangible Media emester 2 Jnit Jnit Professional Practice for Designers
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U DXH702 SEMEST One unit f Options (I DVB302 DXB212 Year 4, S IT Major U IT Major U DXH803 SEMEST	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit DXB212 or DVB302): Data Visualisation and Information Design Tangible Media emester 2 Jnit Jnit Professional Practice for Designers ER 2 UNIT OPTIONS
IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U DXH702 SEMEST One unit f Options (I DVB302 DXB212 Year 4, S IT Major U IT Major U DXH803 SEMEST One unit f	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit DXB212 or DVB302): Data Visualisation and Information Design Tangible Media emester 2 Jnit Jnit Professional Practice for Designers ER 2 UNIT OPTIONS from the Semester 2 Unit
IT Major U IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U IT Major U DXH702 SEMESTI One unit f Options (I DVB302 DXB212 Year 4, S IT Major U IT Major U IT Major U DXH803 SEMESTI One unit f Options (I	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit DXB212 or DVB302): Data Visualisation and Information Design Tangible Media emester 2 Jnit Jnit Professional Practice for Designers ER 2 UNIT OPTIONS from the Semester 2 Unit DXH601 or DXH602):
IT Major U IT Major U IT Major U DVB203 DXB401 Year 4, S IT Major U DXH702 SEMESTI One unit f Options (I DVB302 DXB212 Year 4, S IT Major U DXH803 SEMESTI One unit f Options (I DXH803	Jnit Jnit Theories and Methods of Visual Communication Advanced Web Design emester 1 Jnit Jnit Contemporary Issues in IVD ER 1 UNIT OPTIONS from the Semester 1 Unit DXB212 or DVB302): Data Visualisation and Information Design Tangible Media emester 2 Jnit Jnit Professional Practice for Designers ER 2 UNIT OPTIONS from the Semester 2 Unit DXH601 or DXH602): Integrated Experience Design



Year	2021
QUT code	IX80
CRICOS	083029M
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,200 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); email: askqut@qut.edu.au; Law: Director of Undergraduate Programs; email: law_enquiries@qut.edu.a u
Discipline Coordinator	Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); and Dr Konstantin Momot (Physics); Law: Director of Undergraduate Programs Science: +61 7 3138 2000; Law: +61 7 3138 2000; Law: +61 7 3138 2707 Science: askqut@qut.edu.au; Law: law_enquiries@qut.edu.a u

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Structure Information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the Australian Higher Education Graduation Statement.

Total Law credit points: 336 Total credit points for core units: 240 Total credit points for elective units: 96 Honours Level Units

96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons): LLH201 Legal Research, LLH206 Administrative Law, LLH302 Ethics and the Legal Profession, LLH305 Corporate Law, LLH401 Legal Research Capstone (24 cps) and two Advanced Electives in law.

Professional Recognition

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.

Graduates will satisfy the requirements for membership in the relevant professional body for their science major.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

As a graduate, you may enter legal practice with an education in both the content and process of science and data analysis that will enable you to deal with the complexities of litigation that have a scientific and technological dimension, such as inventions, trade secrets, quantitative evidence, and constitutional disputes giving rise to environmental issues. On the other hand, you may choose to follow a career path in the sciences, enhancing your opportunities in a particular discipline such as environmental science or biotechnology through your knowledge of the law.

You will graduate with specialised knowledge of cutting-edge technologies and extensive practical experience using the latest techniques. You have a broad range of options to choose from and the flexibility to create your own personal science degree program.



In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations.

Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Non-standard attendance

Field work is a requirement in some areas of science.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at deferment

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the <u>Bachelor of Science</u> (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12
- credit points)
 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may

select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the <u>Bachelor of Science</u>.(ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
 1 introductory law elective* (12
- credit points)
 5 general law electives** (60 credit
- 5 general law electives (60 credit points)
 2 advensed law electives (24 and it
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of

the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

Sample Structure

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2
- Year 6 Semester 1
- Law Elective Information*

Code	Title
Year 1 Se	emester 1
LLB101	Introduction to Law
LLB102	Torts
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Se	emester 2
LLB106	Criminal Law
LLB107	Statutory Interpretation
Science Core Unit Option	

This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX80&id=37220. CRICOS No.00213J

Science Major Option Unit (for Biology, Earth Science, Environmental Science) or MXB100 (Chemistry and Physics) From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal **Problems and Communication** Year 2 Semester 1 LLB103 **Dispute Resolution** Contemporary Law and LLB104 Justice SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Year 2 Semester 2 LLH201 Legal Research Introductory Law Elective unit or General Law elective unit Science Maior Unit Science Major Unit Year 3 Semester 1 LLB202 Contract Law LLB203 Constitutional Law Science Major Unit Science Major Unit Year 3 Semester 2 Commercial and Personal LLB204 Property Law LLB205 Equity and Trusts Science Major Unit Science Major Unit Year 4 Semester 1 LLB301 Real Property Law General Law Elective unit* Science Major Unit Science Major Unit Year 4 Semester 2 LLB303 Evidence LLH206 Administrative Law Science Major Unit Science Major Unit Year 5 Semester 1 Ethics and the Legal LLH302 Profession LLB304 **Commercial Remedies** General Law Elective or Non-law Elective or Minor Unit* General Law Elective or Non-law Elective or Minor Unit* Year 5 Semester 2 LLB306 **Civil Procedure** LLH305 Corporate Law General Law Elective or Non-law Elective or Minor Unit* General Law Elective or Non-law Elective or Minor Unit* Year 6 Semester 1

	•
Advanced	Law Elective unit
Advanced	Law Elective unit
Law Elect	tive Information*
Law stude law electiv in place o	ents may complete up to 4 non- ves or a university wide minor f 4 of general law electives.
From 201 Innovatior place of 4 they have	9 students may select the Law, n and Technology Minor in general law electives provided e enough units to do so
Somosto	re.
• Year	1. Semester 2
• Year	2, Semester 1
• <u>Year</u>	<u>2, Semester 2</u>
• <u>Year</u>	3. Semester 2
• Year	4, Semester 1
• <u>Year</u>	<u>4, Semester 2</u>
• <u>Year</u> • Year	5. Semester 2
 Year 	6, Semester 1
• <u>Year</u>	<u>6, Semester 2</u>
Code	Title
Year 1, S	emester 2
LLB101	Introduction to Law
LLB102	Torts
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in
	Science
Year 2, S	Science emester 1
Year 2, S LLB103	Science emester 1 Dispute Resolution
Year 2, So LLB103 LLB104	Science emester 1 Dispute Resolution Contemporary Law and Justice
Year 2, So LLB103 LLB104 SEB115	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1
Year 2, S LLB103 LLB104 SEB115 SEB116	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2
Year 2, So LLB103 LLB104 SEB115 SEB116 Year 2, So LLB106	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory
Year 2, So LLB103 LLB104 SEB115 SEB116 Year 2, So LLB106 LLB107 From 201 Interpreta	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal card Communication
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science N	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Major Unit
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science M Science M	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Major Unit Major Unit
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science M Science M Year 3, S	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Major Unit Major Unit emester 1
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science M Science M Year 3, S LLB202	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Major Unit Major Unit emester 1 Contract Law
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science M Science M Year 3, S LLB202 LLH201	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Major Unit Contract Law Legal Research
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science M Science M Year 3, S LLB202 LLH201 Science M	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Major Unit Emester 1 Contract Law Legal Research Aajor Unit A
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science N Science N Year 3, S LLB202 LLH201 Science N Science N	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Aajor Unit Aajor Unit
Year 2, Se LLB103 LLB104 SEB115 SEB116 Year 2, Se LLB106 LLB107 From 201 Interpreta Problems Science M Science M Year 3, Se LLB202 LLH201 Science M Science M Science M	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Communication Communication Dispute Di
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science N Science N Year 3, S LLB202 LLH201 Science N Year 3, S LLB204	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Major Unit Commercial and Personal Property Law
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science N Science N Year 3, S LLB202 LLH201 Science N Year 3, S LLB204 Introducto LAW Elect	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Major Unit Major Unit Legal Research Contract Law Legal Research Major Unit Major Unit Emester 2 Commercial and Personal Property Law ory Law Elective unit or General tive
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science N Science N Year 3, S LLB202 LLH201 Science N Year 3, S LLB204 Introducto Law Elect Science N	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Legal Research Aajor Unit Commercial and Personal Property Law ory Law Elective unit or General tive Aajor Unit
Year 2, Se LLB103 LLB104 SEB115 SEB116 Year 2, Se LLB106 LLB107 From 201 Interpreta Problems Science M Science M Science M Science M Science M Year 3, Se LLB204 Introducto Law Elect Science M Science M	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Aajor Unit Aajor Unit Commercial and Personal Property Law ory Law Elective unit or General tive Aajor Unit Aajor Unit

Year 4, Ser	nester 1
LLB203 C	Constitutional Law
General La	w Elective unit
Science Ma	ior Unit
Science Ma	ior Unit
Year 4, Ser	nester 2
11 B205 E	quity and Trusts
	dministrative Law
Science Ma	ior I Init
Science Ma	
Voor 5 Sor	nostor 1
	Real Preparty Law
	v Elective or Nep low
Flective or	Minor Unit*
Science Ma	
Science Ma	ijor Unit (Canstona)
LLB303 E	
LLB306 C	
LLH305 C	
General La	w Elective or Non-law
Elective of	
LLB304 C	
LLH302 P	thics and the Legal Profession
General Lav Elective or	<i>w</i> Elective or Non-law Minor Unit*
General Lav Elective or	<i>w</i> Elective or Non-law Minor Unit*
Year 6, Ser	nester 2
LLH401 L	egal Research Capstone
Advanced L	aw Elective unit
Advanced I	aw Elective unit
*Law Electiv	
Law studen	ts may complete up to 4 non-
law elective	s or a university wide minor
in place of 4	l general law electives
From 2019	students may select the Law,
Innovation a	and Technology Minor in
place of 4 g	eneral law electives provided
they have e	
Somostore	
Year 1	Semester 1
 Year 1 	Semester 2
• <u>Year 2</u>	<u>Semester 1</u>
• <u>rear 2</u> • Year 3	Semester 1
Year 3	Semester 2
• <u>Year 4</u>	Semester 1
• <u>Year 4</u>	Semester 2
Code T	itle
Year 1 Sem	nester 1

 SEB115
 Experimental Science 1

 SEB116
 Experimental Science 2

 Year 1 Semester 2

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Science Core Unit Option		
Science I	Major Unit Option	
Year 2 Se	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2 Se	emester 2	
BVB101	Foundations of Biology	
BVB102	Evolution	
Year 3 Se	emester 1	
BVB202	Experimental Design and Quantitative Methods	
BVB301	Animal Biology	
Year 3 Se	emester 2	
BVB201	Biological Processes	
BVB204	Ecology	
Year 4 Se	emester 1	
BVB203	Plant Biology	
BVB305	Microbiology and the Environment	
Year 4 Semester 2		
BVB304	Integrative Biology	
BVB313	Population Genetics and Molecular Ecology	

Semesters

- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1 ٠
- ٠ Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1

Title Code

Year 1 Semester 2		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
BVB101	Foundations of Biology	
BVB102	Evolution	
Year 3 Semester 1		
BVB301	Animal Biology	
BVB202	Experimental Design and Quantitative Methods	
Year 3 Se	emester 2	
BVB201	Biological Processes	
BVB204	Ecology	
Year 4 Se	emester 1	
BVB203	Plant Biology	
BVB305	Microbiology and the Environment	

BVB313	Population Genetics and
BV/B304	Integrative Biology
Year 5 Se	mester 1
Science (Soro Option
Maian On	
Major Op	tion
Semeste • Yea • Yea • Yea • Yea • Yea • Yea • Yea • Yea • Yea	r 1 Semester 1 r 1 Semester 2 r 2 Semester 1 r 2 Semester 2 r 3 Semester 1 r 3 Semester 2 r 4 Semester 1 r 4 Semester 2
Codo	Title
Voor 4 G	
Year 1 Se	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Se	emester 2
MXB100	Introductory Calculus and Algebra
Science (Core Unit Option
Year 2 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3 Se	emester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Se	emester 2
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4 Se	emester 1
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Se	emester 2
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
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Semesters

Year 1, Semester 2
Year 2, Semester 1
Year 2, Semester 2
• Year 3, Semester 1
 Vear 3 Semester 2

- <u>rear 3, Semester 2</u>
- Year 4, Semester 1
- Year 4, Semester 2

• Year 5, Semester 1

Code	Title	
Year 1, Semester 2		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2, S	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, S	emester 2	
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
Year 3, S	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
Year 3, S	emester 2	
CVB203	Physical Chemistry	
CVB204	Organic Structure and Mechanisms	
Year 4, S	emester 1	
CVB301	Organic Chemistry: Strategies for Synthesis	
CVB302	Applied Physical Chemistry	
Year 4, S	emester 2	
CVB303	Coordination Chemistry	
MXB100	Introductory Calculus and Algebra	
Year 5, S	emester 1	
CVB304	Chemistry Research Project	
Science (Core Option	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 Year 4 Semester 2 •

		Code	Title
		Year 1 Se	emester 1
gies		SEB104	Grand Challenges in Science
/		SEB113	Quantitative Methods in Science
		Year 1 Se	emester 2
		Science (Core Unit Option
ct		Science M	Major Unit Option
		Year 2 Se	emester 1
		SEB115	Experimental Science 1
		SEB116	Experimental Science 2
		Year 2 Se	emester 2
		ERB101	Earth Systems
		ERB102	Evolving Earth
		Year 3 Se	emester 1
	t	he u	niversity
fo	r	the re	eal world

Bachelor of Science/Bachelor of Laws (Honours) Destructive Earth: Natural Major Option ERB201 Hazards ERB202 Marine Geoscience Year 3 Semester 2 Sedimentary Geology and **ERB203** Stratigraphy Deforming Earth: ERB204 Fundamentals of Structural

Year 4 Semester 1		
ERB301	Chemical Earth	
ERB302	Applied Geophysics	
Year 4 Semester 2		
ERB303	Energy Resources and Basin Analysis	
ERB304	Dynamic Earth: Plate Tectonics	

Geology

Semesters

- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2 •
- Year 4 Semester 1 Year 4 Semester 2
- Year 5 Semester 1 ٠

Code	Title	
Year 1 Semester 2		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
ERB101	Earth Systems	
ERB102	Evolving Earth	
Year 3 Se	emester 1	
ERB201	Destructive Earth: Natural Hazards	
ERB202	Marine Geoscience	
Year 3 Se	emester 2	
ERB203	Sedimentary Geology and Stratigraphy	
ERB204	Deforming Earth: Fundamentals of Structural Geology	
Year 4 Se	emester 1	
ERB301	Chemical Earth	
ERB302	Applied Geophysics	
Year 4 Se	emester 2	
ERB303	Energy Resources and Basin Analysis	
ERB304	Dynamic Earth: Plate Tectonics	
Year 5 Se	emester 1	

Science Core Option

Semesters • Year 1 Semester 1		
Year 1 Semester 2		
 Year 	r <u>2 Semester 1</u>	
• <u>Yea</u>	<u>r 2 Semester 2</u>	
• <u>Yea</u>	r <u>3 Semester 1</u>	
• <u>Yea</u>	r <u>3 Semester 2</u>	
• <u>Yea</u>	r <u>4 Semester 1</u>	
• <u>rea</u>	<u>r 4 Semester 2</u>	
Code	Title	
Year 1 Se	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in	
	Science	
Year 1 Se	emester 2	
Science (Core Unit Option	
Science N	Major Unit Option	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Semester 2		
ERB101	Earth Systems	
EVB102	Ecosystems and the	
Vear 3 Se	emester 1	
BVB202	Quantitative Methods	
EVB203	Geospatial Information	
	Science	
Year 3 Se	emester 2	
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4 Se	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4 Se	emester 2	
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	

Semesters

- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1

Code	Title
Year 1 Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 1	
SEB115	Experimental Science 1

SEB116	Experimental Science 2		
Year 2 Semester 2			
ERB101	Earth Systems		
EVB102	Ecosystems and the Environment		
Year 3 Se	Year 3 Semester 1		
BVB202	Experimental Design and Quantitative Methods		
EVB203	Geospatial Information Science		
Year 3 Se	emester 2		
BVB204	Ecology		
EVB302	Environmental Pollution		
Year 4 Semester 1			
BVB311	Conservation Biology		
EVB312	Soils and the Environment		
Year 4 Semester 2			
ERB310	Groundwater Systems		
EVB304	Case Studies in Environmental Science		
Year 5 Semester 1			
Science Core Option			
Maior Option			

Semesters

- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	litle	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Semester 2		
MXB100	Introductory Calculus and Algebra	
Science Core Unit Option		
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Semester 2		
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	
Year 3 Semester 1		
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
Year 3 Semester 2		
PVB200	Computational and	

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	Mathematical Physics
PVB204	Electromagnetism
Year 4 Semester 1	
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

Semesters

- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1 ٠
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 2

Code	Title
Year 1 Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Se	emester 1
SEB115	Experimental Science 1
MXB100	Introductory Calculus and Algebra
Year 2 Se	emester 2
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 3 Se	emester 1
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3 Se	emester 2
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Year 4 Se	emester 1
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Se	emester 2
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Year 5 Se	emester 2
SEB116	Experimental Science 2
Science Core Option	

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You

can check this by referring to the unit outlines on QUT Virtual.

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW Real Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

General I	_aw Electives List
Code	Title
LLB241	Discrimination and Equal Opportunity Law
LLB242	Media Law
LLB243	Family Law
LLB244	Criminal Law Sentencing
LLB245	Sports Law
LLB247	Animal Law
LLB248	COVID-19 and the Law
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB340	Banking and Finance Law
LLB341	Artificial Intelligence, Robots and the Law
LLB342	Immigration and Refugee Law
LLB344	Intellectual Property Law
LLB345	Regulating the Internet
LLB346	Succession Law
LLB347	Taxation Law
LLB349	Japanese Law
LLB350	The Law and Ethics of War
LLB440	Environmental Law
LLB443	Mining and Resources Law
LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A
LLB461	Competition Moots B
LLB463	Community Justice Project
LLB464	International Legal Placement
LLB465	Startup Law Clinic
LI B466	Small Business Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW Real Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

Advanced Law Electives	
Code	Title
Select 24 credit points of Advanced Law Electives (2 x 12 cp units or 1 x 12 cp unit)	
LLH470	Commercial Contracts in Practice
LLH471	Health Law and Practice
LLH472	Public International Law
LLH473	Independent Research Project
LLH474	Insolvency Law
LLH475	Theories of Law
LLH476	Competition Law
LLH477	Innovation and Intellectual Property Law
LLH478	Advanced Criminal Law - Principles and Practice
LLH479	Research Thesis Extension
LLH480	Consumer Law in a Digital Age
LLH481	Private International Law

You can complement your core law units with a minor in law, technology and innovation. Learn the skills needed to communicate and collaborate with technologists, innovators, regulators, engineers, designers and policy makers. Apply big data analytics and come up with creative solutions to address pressing social problems, and learn from experts at the forefront of artificial intelligence and technology regulation.

Law, Technology and Innovation Minor		
Code	Title	
Choose four units to complete the minor		
LLB250	Law, Privacy and Data Ethics	
LLB251	Law and Design Thinking	
LLB252	Legal Tech	
LLB341	Artificial Intelligence, Robots and the Law	
LLB345	Regulating the Internet	



Year	2021
QUT code	IX87
CRICOS	083025D
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,500 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,000 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly (Information Technology); email: askqut@qut.edu.au; Law: Director of Undergraduate Programs email: law_enquiries@qut.edu.a u
Discipline Coordinator	IT: Dr Wayne Kelly (Computer Science); and Dr Erwin Fielt (Information Systems); Law: Director of Undergraduate Programs IT: +61 7 3138 2000; Law: +61 7 3138 2707 IT: askqut@qut.edu.au; Law: law_enquiries@qut.edu.a

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course structure information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

(a) 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units

Information Technology Majors Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the Australian Higher Education Graduation Statement.

Total Law credit points: 336 Total credit points for core units: 240 Total credit points for elective units: 96

Honours Level Units 96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons): LLH201 Legal Research, LLH206 Administrative Law, LLH302 Ethics and the Legal Profession, LLH305 Corporate Law, LLH401 Legal Research Capstone (24 cps) and two Advanced Electives in law.

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

Graduates may develop careers in cyberlaw, intellectual property and privacy, dealing with the legal regulation of the Internet including downloading music, mobile phone camera use or copyright issues. You may become a



Bachelor of Information Technology/Bachelor of Laws (Honours)

legal practitioner, barrister, in-house counsel, government lawyer or policy adviser. There is also increased demand for roles in edemocracy both in egovernment service delivery and political campaigning.

In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations.

Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Pathways to Further Studies

The QUT Bachelor of Information Technology is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in this discipline with an additional honours year in (IN10) Bachelor of Information Technology (Honours).

On successful completion of the Bachelor of Laws, there are a number of further study options open to you. The Bachelor of Laws meets the entry requirements for Practical Legal Training courses (for example, the QUT Graduate Diploma in Legal Practice). In addition, successful completion of the law degree will allow you to pursue postgraduate opportunities through research- and coursework-based higher degrees in law.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at deferment

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit

points for the Bachelor of Laws program.

Requirements for the completion of the **Bachelor of Information Technology** component are as follows:

- 1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
- 2. (b) 120 credit points (10 units) of Major Core units

Information Technology Majors Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points) 1 introductory law elective* (12)
- credit points) • 5 general law electives** (60 credit points)
- · 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and
- Robotics (LLB341) Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)

- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

- 1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
- 2. (b) 120 credit points (10 units) of Major Core units

Information Technology Majors Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12) credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons): • Legal Research (LLH201

Bachelor of Information Technology/Bachelor of Laws (Honours)

- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) ٠ (24 credit points
- two 12-credit point Advanced Law Electives

Sample Structure

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 •
- ٠ Year 3, Semester 1 •
- Year 3, Semester 2 ٠
- Year 4, Semester 1 Year 4, Semester 2 ٠
- Year 5, Semester 1 •
- Year 5, Semester 2 •
- Year 6, Semester 1
- ٠ Law Elective Information

Code	Title	
Year 1, S	emester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
LLB101	Introduction to Law	
LLB102	Torts	
Year 1, Semester 2		
IFB104	Building IT Systems	
IFB105	Database Management	
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication		
Year 2, Semester 1		
IT Core Unit Option		
IT Core Unit Option		
LLB103	Dispute Resolution	
LLB104	Contemporary Law and	

Justice Vear 2 Semester 2

1 oui 2, o		
IT Major Unit		
IT Major Unit		
Introductory Law Elective unit of General Law Elective unit		
LLH201	Legal Research	
Year 3, Semester 1		

IT Major Unit IT Major Unit

	iviajoi	Onic
LLI	B202	Contract Law

LLB203	Constitutional Law
Year 3, S	emester 2
IT Major l	Jnit
IT Major l	Jnit
LLB204	Commercial and Personal Property Law
LLB205	Equity and Trusts
Year 4, S	emester 1
IT Major l	Jnit
IT Major l	Jnit
LLB301	Real Property Law
General L	aw Elective unit
Year 4, S	emester 2
IT Major l	Jnit
IT Major l	Jnit
LLB303	Evidence
LLH206	Administrative Law
Year 5, S	emester 1
LLB304	Commercial Remedies
LLH302	Ethics and the Legal
General I	Protession aw Elective or Non-law
Elective o	r University-wide Minor Unit
General L	aw Elective or Non-law
Elective o	r University-wide Minor Unit
	· •···· • •····
Year 5, S	emester 2
Year 5, S LLB306	emester 2 Civil Procedure
Year 5, S LLB306 LLH305	emester 2 Civil Procedure Corporate Law
Year 5, S LLB306 LLH305 General L	emester 2 Civil Procedure Corporate Law .aw Elective or Non-law
Year 5, S LLB306 LLH305 General L Elective o	emester 2 Civil Procedure Corporate Law .aw Elective or Non-law or University-wide Minor Unit
Year 5, S LLB306 LLH305 General L Elective o General L Elective o	emester 2 Civil Procedure Corporate Law .aw Elective or Non-law rr University-wide Minor Unit .aw Elective or Non-law rr University-wide Minor Unit
Year 5, S LLB306 LLH305 General L Elective o General L Elective o Year 6, S	emester 2 Civil Procedure Corporate Law .aw Elective or Non-law or University-wide Minor Unit .aw Elective or Non-law or University-wide Minor Unit emester 1
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Year 5, S LLB306 LLH305 General L Elective o General L Elective o Year 6, S LLH401 Advanceo	emester 2 Civil Procedure Corporate Law .aw Elective or Non-law r University-wide Minor Unit .aw Elective or Non-law r University-wide Minor Unit emester 1 Legal Research Capstone
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- Year 4, Semester 1
- Year 4, Semester 2 .
- Semester 2 (July) commencements
- . Year 1, Semester 2
- Year 2, Semester 1 •
- ٠
- Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2

- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

0000	Title
Semester	1 (February) commencements
Year 1. S	emester 1
	Introduction to Computer
IFB102	Systems
IFB103	IT Systems Design
Year 1, S	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
IT Core U	Init Option
IT Core U	Init Option
Year 2, S	emester 2
CAB201	Programming Principles
CAB202	Microprocessors and Digital
	Systems
Year 3, S	emester 1
CAB203	Discrete Structures
CAB302	Software Development
Year 3, S	emester 2
CAB303	Networks
IFB295	11 Project Management
Year 4, S	emester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, S	emester 2
IFB399	Capstone Project (Phase 2)
0 1 1	
Select on	e of:
Select on CAB401	e of: High Performance and Parallel Computing
Select on CAB401 CAB402	e of: High Performance and Parallel Computing Programming Paradigms
Select on CAB401 CAB402 CAB403	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming
Select on CAB401 CAB402 CAB403 CAB420	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning
Select on CAB401 CAB402 CAB403 CAB420 Semester	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management
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Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201 IT Core U	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles Init Option
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201 IT Core U Year 3, S	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles Inti Option emester 1
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Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201 IT Core U Year 3, S CAB202 CAB301	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201 IT Core U Year 3, S CAB202 CAB301 Year 3, S	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles Juit Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2
Select on CAB401 CAB402 CAB403 CAB420 Semester Year 1, S IFB102 IFB103 Year 2, S IFB104 IFB105 Year 2, S CAB201 IT Core U Year 3, S CAB202 CAB301 Year 3, S CAB303	e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning 2 (July) commencements emester 2 Introduction to Computer Systems IT Systems Design emester 1 Building IT Systems Database Management emester 2 Programming Principles Init Option emester 1 Microprocessors and Digital Systems Algorithms and Complexity emester 2 Networks



This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX87&id=37233. CRICOS No.00213J
Bachelor of Information Technology/Bachelor of Laws (Honours)

Analysis

Year 4, Semester 1

CAB203	Discrete Structures	
CAB302	Software Development	
Year 4, Semester 2		
IFB398	Capstone Project (Phase 1)	
Select ONE of:		
CAB401	High Performance and Parallel Computing	
CAB403	Systems Programming	
OR IT Core Unit Option		
Year 5, S	emester 1	
IFB399	Capstone Project (Phase 2)	
Select ONE of:		
CAB402	Programming Paradigms	
CAB420	Machine Learning	
OR IT Core Unit Option		
(Select IT Core Unit Option here, if not selected previously.)		

Semesters

- <u>Semester 1 (February)</u> **commencements**
- . Year 1, Semester 1
- Year 1, Semester 2 ٠
- Year 2, Semester 1 Year 2, Semester 2 ٠
- •
- Year 3, Semester 1
- ٠ Year 3, Semester 2
- Year 4, Semester 1 • ٠
- Year 4, Semester 2 •
- Semester 2 (July) commencements Year 1, Semester 2 .
- •
- Year 2, Semester 1 Year 2, Semester 2 .
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2 •
- •
- Year 5, Semester 1

Code	Title	
Semester 1 (February) commencements		
Year 1, S	emester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, Semester 1		
IT Core Unit Option		
IT Core Unit Option		
Year 2, S	emester 2	
IAB201	Modelling Techniques for Information Systems	
IAB207	Rapid Web Application Development	
Year 3, Semester 1		
IAB203	Business Process Modelling	
IAB204	Business Requirements	

Year 3, Semester 2		
IAB305	Information Systems Lifecycle Management	
IFB295	IT Project Management	
Year 4, S	emester 1	
IFB398	Capstone Project (Phase 1)	
Select on	e of:	
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	
IAB402	Information Systems Consulting	
Year 4, S	emester 2	
IAB401	Enterprise Architecture	
IFB399	Capstone Project (Phase 2)	
Semester	r 2 (July) commencements	
Year 1, S	emester 2	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 2, S	emester 1	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 2	
IAB201	Modelling Techniques for Information Systems	
IT Core L	Jnit Option	
Year 3, S	emester 1	
IAB204	Business Requirements Analysis	
IAB207	Rapid Web Application Development	
Year 3, S	emester 2	
IAB305	Information Systems Lifecycle Management	
IT Core L	Jnit Option	
Year 4, S	emester 1	
IAB203	Business Process Modelling	
IFB295	IT Project Management	
Year 4, S	emester 2	
IAB401	Enterprise Architecture	
IFB398	Capstone Project (Phase 1)	
Year 5, S	emester 1	
IFB399	Capstone Project (Phase 2)	
Select Of	NE of:	
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	

Information Systems IAB402 Consulting

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on **QUT Virtual**.

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

General L	_aw Electives List
Code	Title
LLB241	Discrimination and Equal Opportunity Law
LLB242	Media Law
LLB243	Family Law
LLB244	Criminal Law Sentencing
LLB245	Sports Law
LLB247	Animal Law
LLB248	COVID-19 and the Law
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB340	Banking and Finance Law
LLB341	Artificial Intelligence, Robots and the Law
LLB342	Immigration and Refugee Law
LLB344	Intellectual Property Law
LLB345	Regulating the Internet
LLB346	Succession Law
LLB347	Taxation Law
LLB349	Japanese Law
LLB350	The Law and Ethics of War
LLB440	Environmental Law
LLB443	Mining and Resources Law
LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A



This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX87&id=37233. CRICOS No.00213J

Bachelor of Information Technology/Bachelor of Laws (Honours)

LLB461	Competition Moots B
LLB463	Community Justice Project
LLB464	International Legal Placement
LLB465	Startup Law Clinic
LLB466	Small Business Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Advanced Law Electives	
Code	Title
Select 24 credit points of Advanced Law Electives (2 x 12 cp units or 1 x 12 cp unit)	
LLH470	Commercial Contracts in Practice
LLH471	Health Law and Practice
LLH472	Public International Law
LLH473	Independent Research Project
LLH474	Insolvency Law
LLH475	Theories of Law
LLH476	Competition Law
LLH477	Innovation and Intellectual Property Law
LLH478	Advanced Criminal Law - Principles and Practice
LLH479	Research Thesis Extension
LLH480	Consumer Law in a Digital Age
LLH481	Private International Law

You can complement your core law units with a minor in law, technology and innovation. Learn the skills needed to communicate and collaborate with technologists, innovators, regulators, engineers, designers and policy makers. Apply big data analytics and come up with creative solutions to address pressing social problems, and learn from experts at the forefront of artificial intelligence and technology regulation.

Law, Technology and Innovation Minor	
Code	Title
Choose four units to complete the minor	
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech

LLB341	Artificial Intelligence, Robots and the Law	
LLB345	Regulating the Internet	



Year	2021
QUT code	IX93
CRICOS	092651C
Duration (full-time)	4 years
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,500 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Director of Studies, QUT Business School; or Associate Professor Ross Brown (Games and Interactive Environment)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics. or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

· General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Business program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Business component:

- 8 units (96 credit points) of Business School core units
- 8 units (96 credit points) of Major core units*

* Please note Accounting major students complete 6 business core units (72 credit points) and 10 accountancy major units (120 credit points) to allow them to complete professional requirements.

Games and Interactive

Environments component:

 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units*

selected from an approved list.

• 10 units (120 credit points) of Major core units.

** Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environments, Information Technology. The core option choices can be used to complement your Major studies.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Business program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Business component:

- 8 units (96 credit points) of Business School core units
- 8 units (96 credit points) of Major core units*

* Please note Accounting major students complete 6 business core units (72 credit points) and 10 accountancy major units (120 credit points) to allow them to complete professional requirements.

Games and Interactive **Environments component:**

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

** Unit options list - comprises a range of units from which you choose to undertake two (2). The core option choices provide you with space in your course to explore other fields such as within Games and Interactive Environments, Information Technology. The core option choices can be used to complement your Major studies.

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2
- .
- Year 3, Semester 1 •
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2 •



Code Title
Year 1, Semester 1
Business School Core Unit
Business School Core Unit
BGIE Core Unit
BGIE Core Unit
Year 1, Semester 2
Business School Core Unit
Business School Core Unit
BGIE Core Unit
BGIE Core Unit
Year 2, Semester 1
Business School Core Unit
Business School Core Unit
BGIE Major Unit (Studio)
BGIE Core Unit Option
Year 2, Semester 2
Business School Core Unit
Business School Major Unit
BGIE Major Unit
BGIE Major Unit
Year 3, Semester 1
Business School Major Unit
Business School Major Unit
BGIE Major Unit
BGIE Core Unit Option
Year 3, Semester 2
Business School Major Unit
Business School Major Unit
BGIE Major Unit (Studio)
BGIE Major Unit
Year 4, Semester 1
Business School Major Unit
Business School Major Unit
BGIE Major Unit
BGIE Major Unit (Captstone)
Year 4, Semester 2
Business School Major Unit
Business School Major Unit
BGIE Major Unit (Capstone)
BGIE Major Unit (Studio)
Samostars
Year 1. Semester 1
Year 1 Semester 2

٠	Year	1,	Sem	nester	2
		-	-		-

- Year 2, Semester 1
- Year 2, Semester 2 .
- Year 3, Semester 1
- Year 3, Semester 2 •
- Year 4, Semester 1 .

•	rea	4,	Sei	nester	

Code	litle
Year 1, S	emester 1
BSB107	Financial Performance and Responsibility

BSB108	Business Environment
Year 1, S	emester 2
BSB111	Business Law and Ethics
BSB110	Accounting
Accounta BSB110 a Option Ur accreditat	ncy students undertake and BSB111 as the Core nits to ensure professional tion.
Year 2, S	emester 1
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 2, S	emester 2
AYB225	Management Accounting
AYB200	Financial Accounting
Year 3, S	emester 1
AYB221	Accounting Systems and Analytics
EFB210	Finance 1
Year 3, S	emester 2
AYB230	Corporations Law
AYB219	Taxation Law
Year 4, S	emester 1
AYB321	Strategic Management Accounting
AYB340	Company Accounting
Year 4, S	emester 2
AYB311	Financial Accounting Issues
AYB301	Audit and Assurance

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2
- Year 4, Semester 1 . Year 4, Semester 2
- Core Options Units List:

Code	Title
Year 1, S	emester 1
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, S	emester 2
BSB107	Financial Performance and Responsibility
Select a u List	unit from the Core Options Unit
Year 2, S	emester 1
Year 2, S AMB200	emester 1 Consumer Behaviour
Year 2, S AMB200 AMB201	emester 1 Consumer Behaviour Marketing and Audience Analytics
Year 2, S AMB200 AMB201 Year 2, S	emester 1 Consumer Behaviour Marketing and Audience Analytics emester 2
Year 2, S AMB200 AMB201 Year 2, S AMB220	emester 1 Consumer Behaviour Marketing and Audience Analytics emester 2 Advertising Works
Year 2, S AMB200 AMB201 Year 2, S AMB220 BSB108	emester 1 Consumer Behaviour Marketing and Audience Analytics emester 2 Advertising Works Business Environment
Year 2, S AMB200 AMB201 Year 2, S AMB220 BSB108 Year 3, S	emester 1 Consumer Behaviour Marketing and Audience Analytics emester 2 Advertising Works Business Environment emester 1

	Channels
BSB250	Business Citizenship
Year 3, S	emester 2
AMB318	Create Advertising
Select a ι List	unit from the Core Options Unit
Year 4, S	emester 1
AMB320	Advertising Management
AMB330	Digital Optimisation
Year 4, S	emester 2
AMB339	Advertising Campaigns
BSB399	Real World Ready - Business Capstone
Core Opti	ions Units List:
Select two the follow	o units (24 credit points) from ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and

"Select a unit from the Economics Options List or the Core Options Unit List" is repeated 5 times in this course progression. Please note that there are two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groupsmay be undertaken.

Enterprise Skills

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units
- Economics Options List

	Code	Title
Init	Year 1, Se	emester 1
, inc	BSB106	Dynamic Markets
	BSB105	The Future Enterprise
	Year 1, Se	emester 2
	BSB108	Business Environment
	BSB107	Financial Performance and Responsibility
	Year 2, Se	emester 1
	EFB222	Introduction to Applied Econometrics
	Select a un List or The	nit from the Core Options Unit Economics Options List
	the ur	niversity
fo	r the re	al world

• Year 3, Semester 2

• Year 4, Semester 1

*Students undertake EFB222 as one of the Economics Options Units.

Year 2, Semester 2

EFB223 Economics 2 Select a unit from the Core Options Unit List or The Economics Options List

Year 3, Semester 1 EFB331 Intermediate Microeconomics

Select a unit from the Core Options Unit List or The Economics Options List

Year 3, Semester 2

BSB250 Business Citizenship

Select a unit from the Core Options Unit List or The Economics Options List

Year 4, S	emester 1
BSB399	Real World Ready - Business Capstone
EFB330	Intermediate Macroeconomics
Year 4, S	emester 2
EFB338	Contemporary Application of Economic Theory
Select a u List or Th	unit from the Core Options Unit e Economics Options List
Core Opt	ions Units
Select two the follow	o units (24 credit points) from ring:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
Economic	cs Options List
Select fou the Quan Economic	ur units (48 credit points) from titative and/or Applied cs Units List:

EFB222	Introduction to Applied Econometrics
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics
EFB337	Game Theory and Applications
EFB201	Financial Markets
EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB336	International Economics

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1

CodeTitleYear 1, Semester 1BSB106Dynamic MarketsBSB107Financial Performance and ResponsibilityYear 1, Semester 2BSB108Business EnvironmentSelect a unit from the Core Options Unit ListYear 2, Semester 1BSB105The Future EnterpriseEFB210Finance 1Year 2, Semester 2EFB210Financial MarketsSelect a unit from the Core Options Unit listYear 3, Semester 1EFB335InvestmentsSelect a unit from the Core Options Unit listYear 3, Semester 1EFB343Corporate FinanceEFB335InvestmentsYear 3, Semester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Semester 1BSB399Real World Ready - Business CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB361Applied Business AnalyticsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB131Business Law and EthicsBSB131Business Law and EthicsBSB305InternshipBSB131Experiential Learning: Innovation, Ideas and Enterprise Skills	• <u>Yea</u> • <u>Core</u>	<u>r 4, Semester 2</u> e Options Units
Year 1, Semester 1BSB106Dynamic MarketsBSB107Financial Performance and ResponsibilityYear 1, Semester 2BSB108Business EnvironmentSelect a unit from the Core Options Unit ListYear 2, Semester 1BSB105The Future EnterpriseEFB210Finance 1Year 2, Semester 2EFB201Financial MarketsSelect a unit from the Core Options Unit listYear 3, Semester 1EFB343Corporate FinanceEFB355InvestmentsYear 3, Semester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Semester 1BSB399Real World Ready - Business CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB361AccountingSelect two units (24 credit points) from the following:BSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB331Applied Business AnalyticsBSB331Applied Business AnalyticsBSB331Experiential Learning: InternshipBSB333Experiential Learning: 	Code	Title
BSB106Dynamic MarketsBSB107Financial Performance and ResponsibilityYear 1, S=mester 2BSB108Business EnvironmentSelect a unit from the Core Options Unit ListYear 2, S=mester 1BSB105The Future EnterpriseEFB210Finance 1Year 2, S=mester 2EFB210Finance 1Year 3, S=mester 1EFB333InvestmentsSelect a unit from the Core Options Unit listYear 3, S=mester 1EFB343Corporate FinanceEFB343InvestmentsYear 3, S=mester 2BSB250Business CitizenshipEFB312International FinanceYear 4, S=mester 1BSB399Real World Ready - Business CapstoneEFB344Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect wurits (24 credit points) from the follow-ig:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB132Undergraduate Business InternshipBSB131Applied Business AnalyticsBSB131Experiential Learning: Innovation, Ideas and Enterprise Skills	Year 1, S	emester 1
BSB107Financial Performance and ResponsibilityYear 1, Sumester 2BSB108Business EnvironmentSelect a ListFirom the Core Options Unit ListYear 2, Sumester 1BSB105The Future EnterpriseEFB210Finance 1Year 2, Sumester 2EFB210Financial MarketsSelect a Urit from the Core Options Unit listYear 3, Sumester 1EFB343Corporate FinanceEFB355InvestmentsYear 3, Sumester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Sumester 1BSB399Real World Ready - Business CapstoneEFB323Economics 2Year 4, Sumester 2EFB360Finance CapstoneEFB360Finance CapstoneEFB361Risk Management and DerivativesCore Options Units(24 credit points) from the follouriesBSB130Social EnterprisesBSB131Applied Business AnalyticsBSB132Suiness Law and EthicsBSB133Experiential Learning: Innovation, Ideas and Enterprise Skills	BSB106	Dynamic Markets
Year 1, Semester 2BSB108Business EnvironmentSelect a unit from the Core Options Unit ListYear 2, Semester 1BSB105The Future EnterpriseEFB210Finance 1Year 2, Semester 2EFB210Financial MarketsSelect a unit from the Core Options Unit listYear 3, Semester 1EFB343Corporate FinanceEFB353InvestmentsYear 3, Semester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Semester 1BSB399Real World Ready - Business CapstoneEFB323Economics 2Year 4, Semester 2EFB360Finance CapstoneEFB360Finance CapstoneEFB361Risk Management and DerivativesCore Options UnitsSelect trueSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB305InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	BSB107	Financial Performance and Responsibility
BSB108Business EnvironmentSelect aIf rom the Core Options UnitYear 2, Surester 1BSB105The Future EnterpriseEFB210Finance 1Year 2, Surester 2EFB201Financial MarketsSelect aIf rom the Core Options UnitIstSelect aYear 3, Surester 1EFB343Corporate FinanceEFB353InvestmentsYear 3, Surester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Surester 1BSB390Real World Ready - BusinessCapstoneCapstoneEFB223Economics 2Year 4, Surester 2EFB360Finance CapstoneEFB361Finance CapstoneEFB363Social EnterprisesBSB130Social EnterprisesBSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB131Business Law and EthicsBSB131Business Law and EthicsBSB131Experiential Learning: Innovation, Ideas and Enterprise Skills	Year 1, S	emester 2
Select a unit from the Core Options Unit ListYear 2, Summeter 1BSB105The Future EnterpriseEFB210Finance 1Year 2, Summeter 2EFB201Financial MarketsSelect a unit from the Core Options Unit listYear 3, Sumester 1EFB343Corporate FinanceEFB343Corporate FinanceFerB343Corporate FinanceFerB343InvestmentsYear 3, Sumester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Sumester 1BSB399Real World Ready - Business CapstoneEFB223Economics 2Year 4, Sumester 2EFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the followur:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB110AccountingBSB110AccountingBSB111Business Law and EthicsBSB111Business Law and EthicsBSB111Experiential Learning: Innovation, Ideas and Enterprise Skills <td>BSB108</td> <td>Business Environment</td>	BSB108	Business Environment
Year 2, Semester 1BSB105The Future EnterpriseEFB210Finance 1Year 2, Semester 2EFB201Financial MarketsSelect a unit from the Core Options UnitlistYear 3, Semester 1EFB343Corporate FinanceEFB343InvestmentsYear 3, Semester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Semester 1BSB399Real World Ready - Business CapstoneEFB342Economics 2Year 4, Semester 2EFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB361Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB131Business Law and EthicsBSB131Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	Select a u List	unit from the Core Options Unit
BSB105The Future EnterpriseEFB210Finance 1Year 2, Surester 2EFB201Financial MarketsSelect a unit from the Core Options Unit listYear 3, Surester 1EFB343Corporate FinanceEFB343InvestmentsYear 3, Surester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Surester 1BSB399Real World Ready - Business CapstoneEFB223Economics 2Year 4, Surester 2EFB360Finance CapstoneEFB341Risk Management and DerivativesEFB342Risk Management and 	Year 2, S	emester 1
Finance 1Year 2, Sumester 2EFB201Financial MarketsSelect a unit from the Core Options Unit listYear 3, Sumester 1EFB343Corporate FinanceEFB353InvestmentsYear 3, Sumester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Sumester 1BSB399Real World Ready - Business CapstoneEFB223Economics 2Year 4, Sumester 2EFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB132Undergraduate Business InternshipBSB111Business Law and EthicsBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	BSB105	The Future Enterprise
Year 2, Semester 2EFB201Financial MarketsSelect a unit from the Core Options UnitlistYear 3, Semester 1EFB343Corporate FinanceEFB343InvestmentsYear 3, Semester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Semester 1BSB399Real World Ready - Business CapstoneEFB223Economics 2Year 4, Semester 2EFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB132Undergraduate Business InternshipBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	EFB210	Finance 1
EFB201Financial MarketsSelect a unit from the Core Options UnitInvestmentsYear 3, Sumester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Sumester 2BSB309Real World Ready - Business CapstoneEFB223Economics 2Year 4, Sumester 2EFB233Economics 2Year 4, Sumester 2EFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Finance CapstoneEFB360Select two units (24 credit points) from the following:BSB130Social EnterprisesBSB130AccountingBSB130AccountingBSB110Accounting	Year 2, S	emester 2
Select a unit from the Core Options Unit listYear 3, Semester 1EFB343Corporate FinanceEFB335InvestmentsYear 3, Semester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Semester 1BSB399Real World Ready - Business CapstoneEFB223Economics 2Year 4, Semester 2EFB360Finance CapstoneEFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB131AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	EFB201	Financial Markets
Year 3, Semester 1EFB343Corporate FinanceEFB343InvestmentsYear 3, Semester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Semester 1BSB399Real World Ready - Business CapstoneEFB223Economics 2Year 4, Semester 2EFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB131Business Law and EthicsBSB131Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	Select a u list	unit from the Core Options Unit
EFB343Corporate FinanceEFB335InvestmentsYear 3, Sumester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Sumester 1BSB399Real World Ready - Business CapstoneEFB223Economics 2Year 4, Sumester 2EFB360Finance CapstoneEFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect trueUnits (24 credit points) from the followingBSB130Social EnterprisesBSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB131Business Law and EthicsBSB131Business Law and EthicsBSB131Experiential Learning: 	Year 3, S	emester 1
EFB335 InvestmentsYear 3, Semester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Semester 1BSB309Real World Ready - Business CapstoneEFB223Economics 2Year 4, Semester 2EFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB132Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	EFB343	Corporate Finance
Year 3, Semester 2BSB250Business CitizenshipEFB312International FinanceYear 4, Semester 1BSB399Real World Ready - Business CapstoneEFB223Economics 2Year 4, Semester 2EFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB131Business Law and EthicsBSB131Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	EFB335	Investments
BSB250Business CitizenshipEFB312International FinanceYear 4, Sumester 1BSB399Real World Ready - Business CapstoneEFB223Economics 2Year 4, Sumester 2EFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB132Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	Year 3, S	emester 2
EFB312International FinanceYear 4, Semester 1BSB399Real World Ready - Business CapstoneEFB223Economics 2Year 4, Semester 2EFB300Finance CapstoneEFB301Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB305Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	BSB250	Business Citizenship
Year 4, Semester 1BSB399Real World Ready - Business CapstoneEFB223Economics 2Year 4, Semester 2EFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB305Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	EFB312	International Finance
BSB399Real World Ready - Business CapstoneEFB223Economics 2Year 4, Summer 2EFB360Finance CapstoneEFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the followingBSB130Social EnterprisesBSB131Applied Business AnalyticsBSB131Applied Business AnalyticsBSB131AccountingBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	Year 4, S	emester 1
EFB223Economics 2Year 4, Semester 2EFB360Finance CapstoneEFB361Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB305Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	BSB399	Real World Ready - Business Capstone
Year 4, Semester 2EFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB305Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: 	EFB223	Economics 2
EFB360Finance CapstoneEFB344Risk Management and DerivativesCore Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB305Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	Year 4, S	emester 2
EFB344Risk Management and DerivativesCore OptivativesSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB130Applied Business AnalyticsBSB305Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	EFB360	Finance Capstone
Core Options UnitsSelect two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB305Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Interprise Skills	EFB344	Risk Management and Derivatives
Select two units (24 credit points) from the following:BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB305Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and 	Core Opt	ions Units
BSB130Social EnterprisesBSB131Applied Business AnalyticsBSB305Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	Select two the follow	o units (24 credit points) from ing:
BSB131Applied Business AnalyticsBSB305Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	BSB130	Social Enterprises
BSB305Undergraduate Business InternshipBSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	BSB131	Applied Business Analytics
BSB110AccountingBSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	BSB305	Undergraduate Business Internship
BSB111Business Law and EthicsBSB009Experiential Learning: Innovation, Ideas and Enterprise Skills	BSB110	Accounting
BSB009 Experiential Learning: Innovation, Ideas and Enterprise Skills	BSB111	Business Law and Ethics
	BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2
- Core Options Units List

Code	The
Year 1, S	emester 1
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, S	emester 2
BSB105	The Future Enterprise
BSB106	Dynamic Markets
Year 2, S	emester 1
BSB111	Business Law and Ethics
Select a	unit frm the Core Options List
Note: Fin undertake Core Opt accredita	ancial Planning students BSB111 as one of the two ions Units for professional tion purposes
Year 2, S	emester 2
AYB219	Taxation Law
EFB210	Finance 1
Year 3, S	emester 1
AYB250	Personal Financial Planning
BSB250	Business Citizenship
Year 3, S	emester 2
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, S	emester 1
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4, S	emester 2
AYB346	Financial Plan Construction (Capstone)
BSB399	Real World Ready - Business Capstone
Core Opt	ions Units List
Financial BSB111 a from the	Planning students select and one other (12 credit points) Core Options Units List
BSB111	Business Law and Ethics
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
 Year 4, Semester 2



<u>Core Unit Options List</u>

Code	Title
Year 1, S	emester 1
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, S	emester 2
BSB106	Dynamic Markets
000407	Financial Performance and
B2B101	Responsibility
Year 2, S	emester 1
MGB21	Introducing People
4	Management and Analytics
MGB20	Managing People
Vear 2 S	emester 2
MGB22	Obligations and Options for
9	Employing People
Select a u	unit from the Core Options Unit
List	·
Year 3, S	emester 1
BSB250	Business Citizenship
MGB23	Recruiting and Selecting
0	People
Year 3, S	emester 2
MGB33	Developing People
I MCR33	Managing Porformance and
9	Rewards
Year 4, S	emester 1
Year 4, S BSB399	emester 1 Real World Ready - Business Capstone
Year 4, S BSB399 Select on	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from
Year 4, S BSB399 Select on the follow	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing:
Year 4, S BSB399 Select on the follow MGB31	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable
Year 4, S BSB399 Select on the follow MGB31 0	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB33 6 Year 4, S MGB37	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2 Select a t	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People unit from the Core Options Unit
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2 Select a U List	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People unit from the Core Options Unit
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2 Select a U List Core Unit	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People unit from the Core Options Unit
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2 Select a t List Core Unit Select twi the Core	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People unit from the Core Options Unit cOptions List o units (24 credit points) from Options Unit List:
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2 Select a Unit Select two the Core BSB130	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People unit from the Core Options Unit coptions List o units (24 credit points) from Options Unit List: Social Enterprises
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB33 6 Year 4, S MGB37 2 Select a U List Core Unit Select two the Core BSB130 BSB131	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People unit from the Core Options Unit Coptions List o units (24 credit points) from Options Unit List: Social Enterprises Applied Business Analytics
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2 Select a U List Core Unit Select twi the Core BSB130 BSB131	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People unit from the Core Options Unit coptions List o units (24 credit points) from Options Unit List: Social Enterprises Applied Business Analytics Undergraduate Business
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2 Select a Unit Select two the Core BSB130 BSB131 BSB305	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People unit from the Core Options Unit coptions List o units (24 credit points) from Options Unit List: Social Enterprises Applied Business Analytics Undergraduate Business Internship
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB37 2 Select a U List Core Unit Select two the Core BSB130 BSB131 BSB305 BSB110	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People unit from the Core Options Unit Coptions List o units (24 credit points) from Options Unit List: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2 Select a u List Core Unit Select twithe Core BSB130 BSB131 BSB305 BSB110 BSB111	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People unit from the Core Options Unit Coptions List o units (24 credit points) from Options Unit List: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2 Select a U List Core Unit Select tw the Core BSB130 BSB131 BSB305 BSB110 BSB111	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People unit from the Core Options Unit Coptions List o units (24 credit points) from Options Unit List: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics Experiential Learning:
Year 4, S BSB399 Select on the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2 Select a U List Core Unit Select two the Core BSB130 BSB131 BSB305 BSB110 BSB111 BSB009	emester 1 Real World Ready - Business Capstone e unit (12 credit points) from ing: Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People unit from the Core Options Unit COptions List o units (24 credit points) from Options Unit List: Social Enterprises Applied Business Analytics Undergraduate Business Internship Accounting Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise

Semesters			
• <u>Year 1, Semester 1</u>			
• Year 1, Semester 2 • Year 2, Semester 1			
Year 2, Semester 1 Year 2, Semester 2			
• Year 3, Semester 1			
• <u>Year</u>	r <u>3, Semester 2</u>		
• <u>Yea</u>	r 4. Semester 2		
• Core	e Options Units		
Code	Title		
Year 1, S	emester 1		
BSB106	Dynamic Markets		
BSB108	Business Environment		
Year 1, S	emester 2		
BSB105	The Future Enterprise		
BSB107	Financial Performance and		
000107	Responsibility		
Year 2, S	emester 1		
AMB210	Importing and Exporting		
Select a u	unit frm the Core Options List		
Year 2, S	emester 2		
MGB22	Intercultural Communication		
5 Calaata i	and Negotiation Skills		
list	init from the Core Options Unit		
Year 3, S	emester 1		
AYB227	International Accounting		
BSB250	Business Citizenship		
Year 3, S	emester 2		
EFB240	Finance for International Business		
MGB34	International Business in the		
0	Asia-Pacific		
Year 4, S	emester 1		
AMB303	International Logistics		
AMB336	International Marketing		
Year 4, S	emester 2		
AMB369	International Business Strategy		
BSB399	Real World Ready - Business Capstone		
Core Opti	ions Units		
Select two the follow	o units (24 credit points) from ing:		
BSB130	Social Enterprises		
BSB131	Applied Business Analytics		
BSB305	Undergraduate Business Internship		
BSB110	Accounting		
BSB111	Business Law and Ethics		
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills		
Comosta			

Semesters

Year 1, Semester 1
Year 1, Semester 2

- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 ٠ •
- Year 3, Semester 2 Year 4, Semester 1 .
- Year 4, Semester 2 Core Options Units List

		e Options onits List		
	Code	Title		
	Year 1, S	emester 1		
	BSB105	The Future Enterprise		
	BSB108	Business Environment		
	Year 1, S	emester 2		
	BSB106	Dynamic Markets		
	BSB107	Financial Performance and Responsibility		
	Year 2, S	emester 1		
	MGB22 5	Intercultural Communication and Negotiation Skills		
	MGB20 0	Managing People		
	Year 2, S	emester 2		
	MGB22 6	Innovation, Knowledge and Creativity		
	Select a u list	unit from the Core Options Unit		
	Year 3, S	emester 1		
	BSB250	Business Citizenship		
	Select on	e of the following:		
	MGB21 0	Managing Operations		
	MGB22 7	Entrepreneurship		
stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete MGB227				
	Year 3, S	emester 2		
	Select a unit from the Core Options Unit List			
	Select on	e of the following:		
	MGB33 5	Managing Projects		
	MGB32 4	Managing Business Growth		
	Students stream m Students Entreprer MGB324.	undertaking the Management ust complete MGB335. undertaking the neurship stream must complete		
	Year 4, S	emester 1		
	MGB34 1	Managing Risk		
	BSB399	Real World Ready - Business Capstone		
	Year 4, S	emester 2		
	MGB30 9	Managing Strategically		
	Select on	e of the following:		
	he u	niversity eal world		
r	the re	eal world		

MGB31 0	Managing Sustainable Change
MGB33 8	Workplace Learning
Core Opti	ions Units List
Select two the follow	o units (24 credit points) from ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters

- Year 1, Semester 1
- Year 1, Semester 2 •
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 •
- ٠ Year 3, Semester 2
- Year 4, Semester 1 . .
- Year 4, Semester 2
- Core Options Units List •

Code	Title		
Year 1, Semester 1			
BSB106	Dynamic Markets		
BSB105	The Future Enterprise		
Year 1, S	emester 2		
BSB107	Financial Performance and Responsibility		
Select a u List	unit from the Core Options Unit		
Year 2, S	emester 1		
BSB108	Business Environment		
Select a u	unit from the Core Options List		
Year 2, S	emester 2		
AMB200	Consumer Behaviour		
AMB240	Marketing Planning and Management		
Year 3, S	emester 1		
AMB202	Integrated Marketing Communication		
AMB201	Marketing and Audience Analytics		
Year 3, S	emester 2		
BSB250	Business Citizenship		
AMB330	Digital Optimisation		
Year 4, S	emester 1		
AMB340	Services Marketing		
AMB336	International Marketing		
Year 4, S	emester 2		
BSB399	Real World Ready - Business Capstone		
AMB359	Strategic Marketing		

Core Options Units List			
Select two units (24 credit points) from the following:			
BSB130	Social Enterprises		
BSB131	Applied Business Analytics		
BSB305	Undergraduate Business Internship		
BSB110	Accounting		
BSB111	Business Law and Ethics		
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills		

Semesters

 Year 1, 	Semester ´
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- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List

Code Title

		i
Year 1	Semester 1	

, , , , , , , , , , , , , , , ,	
BSB106	Dynamic Markets

DOD	10;	S	The	Г	lure	ler	prise
		-					

BSB108	Business Environment	
BSB107	Financial Performance and Responsibility	
Year 2, Semester 1		
AMB264	Media Relations and Publicity	
AMB263	Introduction to Public Relations	

Year 2, Semester 2 Marketing and Audience AMB201 Analytics

AMB372 Public Relations Planning

Year 3, Semester 1

BSB250 Business Citizenship AMB374 Global Public Relations Cases

Year 3, Semester 2

Internal Communication and AMB375 Change Select a unit from the Core Options Unit List

	rear 4, S	emesteri	
	BSB399	Real World Ready - Business Capstone	
	AMB373	Issues, Stakeholders and Reputation	
Year 4, Semester 2			
	AMB379	Public Relations Campaigns	

Select a unit from the Core Options Unit List Core Options Units List

Select two units (24 credit points) from

the following:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

Semesters

- Semester 1 (February)
 - commencements Year 1, Semester 1

 - Year 1, Semester 2 Year 2, Semester 1
- . Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2 .
- Semester 2 (July) commencements Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Codo Title

Semester	1 (February) commencements	
Year 1, Semester 1		
IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
Year 1, S	emester 2	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
Year 2, S	emester 1	
IGB100	Game Studio 1: Mini-Game Development	
BGIE Cor	re Unit Option	
Year 2, S	emester 2	
KNB127	CGI Foundations	
KNB135	Animation Aesthetics	
Year 3, S	emester 1	
KNB137	Digital Worlds	
BGIE Core Unit Option		
Year 3, Semester 2		
IGB200	Game Studio 2: Applied Game Development	
KNB136	Visual Storytelling: Production Design	
[KNB227 replaced by KNB136 from 2021]		
Year 4, Semester 1		
IFB398	Capstone Project (Phase 1)	
[IGB300 replaced by IFB398 from 2021]		
bo u	nivoroity	

the university for the real world

This information is correct as at 16/12/2021. For the most up-to-date course information, visit

https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX93&id=36590. CRICOS No.00213J

KNB217 Digital Creatures

Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 4, Semester 2 IFB399 Capstone Project (Phase 2) [IGB301 replaced by IFB399 from 2021]

Game Studio 3: Game **IGB400** Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the

Coordinator. Semester 2 (July) commencements Year 1, Semester 2 IT Systems Design IFB103 IFB104 **Building IT Systems** Year 2, Semester 1 IGB180 **Computer Games Studies** Game Production and IGB181 Technology Year 2, Semester 2 KNB127 CGI Foundations KNB135 Animation Aesthetics Year 3, Semester 1 Game Studio 1: Mini-Game **IGB100** Development KNB137 Digital Worlds Year 3, Semester 2 Game Studio 2: Applied **IGB200** Game Development Visual Storytelling: Production **KNB136** Design [KNB227 replaced by KNB136 from 20211 Year 4, Semester 1

Capstone Project (Phase 1) IFB398 [IGB300 replaced by IFB398 from 2021] KNB217 Digital Creatures Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator. Year 4, Semester 2 IFB399 Capstone Project (Phase 2) [IGB301 replaced by IFB399 from 2021] Game Studio 3: Game **IGB400**

Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 5, Semester 1

BGIE Core Unit Option

BGIE Core Unit Option

Semesters

- Semester 1 (February) **commencements** Year 1, Semester 1
- Year 1, Semester 2 .
- Year 2, Semester 1
- Year 2, Semester 2 .
- Year 3, Semester 1
- . Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2 .
- <u>Semester 2 (July) commencements</u>
- Year 1, Semester 2 .
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Year 5, Semester 1

Code	Title	
Semester 1 (February) commencements		
Year 1, S	emester 1	
IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
Year 1, S	emester 2	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
Year 2, S	emester 1	
IGB100	Game Studio 1: Mini-Game Development	
BGIE Cor	e Unit Option	
Year 2, S	emester 2	
IGB220	Fundamentals of Game Design	
DXB205	Interactive Narrative Design	
Year 3, S	emester 1	
DXB211	Creative Coding	
BGIE Core Unit Option		
Year 3, S	emester 2	
IGB200	Game Studio 2: Applied Game Development	
IGB321	Immersive Game Level Design	
Year 4, S	emester 1	
IFB398	Capstone Project (Phase 1)	
[IGB300 replaced by IFB398 from 2021]		
IGB388	Design and Development of	

This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://gutvirtual4.gut.edu.au/group/student/enrolment/courses/course?courseCode=IX93&id=36590. CRICOS No.00213J Immersive Environments

[IGB320 replaced by IGB388 from 2021] Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 4, Semester 2

IFB399	Capstone Project (Phase 2)
[IGB301)	eplaced by IFB399 from 20211

Game Studio 3: Game **IGB400** Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semester 2 (July) commencements			
Year 1, S	Year 1, Semester 2		
IFB103	IT Systems Design		
IFB104	Building IT Systems		
Year 2, S	emester 1		
IGB180	Computer Games Studies		
IGB181	Game Production and Technology		
Year 2, S	emester 2		
IGB220	Fundamentals of Game Design		
DXB205	Interactive Narrative Design		
Year 3, S	emester 1		
IGB100	Game Studio 1: Mini-Game Development		
DXB211	Creative Coding		
Year 3, S	emester 2		
IGB200	Game Studio 2: Applied Game Development		
IGB321	Immersive Game Level Design		
Year 4, Semester 1			
IFB398	Capstone Project (Phase 1)		
[IGB300 replaced by IFB398 from 2021]			
IGB388	Design and Development of Immersive Environments		
[IGB320 replaced by IGB388 from 2021]			
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan			

accordingly and to inform the Coordinator.

Year 4, Semester 2

IFB399 Capstone Project (Phase 2) [IGB301 replaced by IFB399 from 2021]



IGB400	Game Studio 3: Game
	Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 5, Semester 1

BGIE Core Unit Option BGIE Core Unit Option

Semesters

- <u>Semester 1 (February)</u>
- **commencements** •
- Year 1, Semester 1
- Year 1, Semester 2 ٠
- Year 2, Semester 1 Year 2, Semester 2 ٠
- Year 3, Semester 1 •
- Year 3, Semester 2 •
- ٠ Year 4, Semester 1
- Year 4, Semester 2 ٠
- Semester 2 (July) commencements
- Year 1, Semester 2 •
- Year 2, Semester 1 Year 2, Semester 2 .
- Year 3, Semester 1
- . Year 3, Semester 2
- Year 4, Semester 1 .
- Year 4, Semester 2 Year 5, Semester 1

Code Title

Semester	1 (February) commencements	
Year 1, S	emester 1	
IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
Year 1, S	emester 2	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
Year 2, Semester 1		
IGB100	Game Studio 1: Mini-Game Development	
BGIE Co	e Unit Option	
Year 2, S	emester 2	
CAB201	Programming Principles	
IGB283	Game Engine Theory and Application	
Year 3, Semester 1		
CAB301	Algorithms and Complexity	
BGIE Core Unit Option		
Year 3, Semester 2		
IGB200	Game Studio 2: Applied Game Development	
IGB381	Game Engine Technology	
Year 4, Semester 1		
IFB398	Capstone Project (Phase 1)	
[IGB300 replaced by IFB398 from 2021]		

IGB383 AI for Games

Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 4, Semester 2

IFB399	Capstone Project (Phase 2)
[IGB301 r	replaced by IFB399 from 2021]

Game Studio 3: Game **IGB400** Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semester 2 (July) commencements		
Year 1, Semester 2		
IFB103	IT Systems Design	
IFB104	Building IT Systems	
Year 2, S	emester 1	
IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
Year 2, S	emester 2	
CAB201	Programming Principles	
IGB283	Game Engine Theory and Application	
Year 3, S	emester 1	
CAB301	Algorithms and Complexity	
IGB100	Game Studio 1: Mini-Game Development	
Year 3, S	emester 2	
IGB200	Game Studio 2: Applied Game Development	
IGB381	Game Engine Technology	
Year 4, S	emester 1	
IFB398	Capstone Project (Phase 1)	
[IGB300	replaced by IFB398 from 2021]	
IGB383	AI for Games	
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.		
Year 4, S	semester 2	
IFB399	Capstone Project (Phase 2)	
[IGB301	replaced by IFB399 from 2021]	
IGB400	Game Studio 3: Game Innovation	
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT. you		

will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 5, Semester 1

BGIE Core Unit Option BGIE Core Unit Option



Year	2021
QUT code	SE05
CRICOS	0102144
Duration (full-time)	5 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Paul Donehue (Urban Development majors); Dr Graham Johnson (Science majors)
Discipline Coordinator	Mellini Sloan (Urban and Regional Planning); Dr Andrew Baker (Environmental Science) +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit.
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Envrionmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

International Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Envrionmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

Sample Structure Semesters

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1, Semester 1



Bachelor of Urban Development (Honours) (Urban and Regional Planning)/Bachelor of Science (Environmental Science)

٠	Year 1, Semester 2
٠	Year 2, Semester 1
٠	Year 2, Semester 2
	Voor 2 Somestor 1

- Year 3, Semester 1 Year 3, Semester 2
- .
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1 Year 5, Semester 2 ٠

Code Title Semester 1 (February) commencements Year 1, Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science UXB131 Planning and Design Practice UXB132 Urban Analysis Year 1, Semester 2 Science: Core Unit Option **Environmental Science Major Option** Unit UXB133 Urban Studies UXB134 Land Use Planning Year 2, Semester 1 SEB115 Experimental Science 1 SEB116 Experimental Science 2 Design-thinking for the Built UXB100 Environment History of the Built UXB130 Environment Year 2, Semester 2 ERB101 Earth Systems Ecosystems and the **EVB102** Environment LWS012 Urban Development Law Negotiation and Conflict **UXB135** Resolution Year 3, Semester 1 Experimental Design and **BVB202 Quantitative Methods Geospatial Information** EVB203 Science UXB231 Stakeholder Engagement UXB233 Planning Law Year 3, Semester 2 BVB204 Ecology EVB302 Environmental Pollution UXB230 Site Planning UXB234 Transport Planning Year 4, Semester 1 EVB312 Soils and the Environment OR BVB311 Conservation Biology USB300 Property Development UXB330 Urban Design

UXH430 Planning Theory and Ethics

Year 4, Semester 2		
EVB304	Case Studies in Environmental Science	
ERB310	Groundwater Systems	
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
Year 5, S	emester 1	
EVB312	Soils and the Environment	
OR (if EVB312 completed previously)		
BVB311	Conservation Biology	
BSB113	Economics	
UXH400 -1	Project - Part A	
UXH431	Urban Planning Practice	
Year 5, S	emester 2	
UXH331	Environmental Planning	
UXH432	Community Planning	
UXH433	Regional Planning	
UXH400 -2	Project - Part B	



Year	2021
QUT code	SE20
CRICOS	078353G
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$5,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,400 per year full-time (96 credit points)
Total credit points	384
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science Major); Professor Tim Moroney (Mathematics Major)
Discipline Coordinator	Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics); Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics). +61 7 3138 2000 askout@out edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

Studying a double degree in applied science and mathematics will provide you with advanced knowledge and skills that are highly sought after by employers. The course is made up of 384 credit points, with each component degree (i.e. Science and Mathematics) comprising 192 credit points each.

From the very first semester, in both your science and your mathematics studies, you will have the opportunity to collaborate with your peers and teaching staff in QUT's exciting new learning environments. You will explore real world problems from multiple scientific, mathematical and statistical perspectives and learn the tools of the trade. Depending on your choices you may find yourself out in the field, working in the laboratory or learning about the impact of scientific discovery on people, policy, industry and the planet. Working with data that you have collected, you will apply fundamental methods of scientific practice, perform scientific analysis, and present your findings. You will learn about a range of career and professional outcomes so that you can get the most from the flexibility the Bachelor of Science has to offer. Your mathematics studies will strengthen your quantitative analysis skills.

Your choice of science major will provide you with in-depth knowledge and expertise in a scientific discipline. Your choice of mathematics units/major will allow you to develop more advanced quantitative skills and problem solving capabilities that can be applied to larger and more complex real world problems. Both of which will prepare you for entry into the workforce or further study. You can even work with industry or get credit to study overseas.

Aim

This double degree aims to provide graduates with opportunities to develop their skills and knowledge in mathematics and science. You will develop the ability to apply mathematics, statistics, computational methods and decision science to real world problems. The Bachelor of Science aims to deliver:

Sample Structure

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
 Year 4 Semester 2

Code	Title	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
Science Core Unit Option		
Science Major Unit Option		
Year 2 Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
BVB101	Foundations of Biology	
BVB102	Evolution	
Year 3 Se	Year 3 Semester 1	
BVB202	Experimental Design and Quantitative Methods	
BVB301	Animal Biology	
Veer 2 St	montor 2	



Bachelor of Science/Bachelor of Mathematics

BVB201	Biological Processes
BVB204	Ecology
Year 4 Se	emester 1
BVB305	Microbiology and the Environment
BVB203	Plant Biology
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 Year 2 Semester 2 ٠
- ٠ Year 3 Semester 1
- Year 3 Semester 2 • Year 4 Semester 1

Year 4 Semester 2 ٠ Code Title Year 1 Semester 1 SEB115 Experimental Science 1 SEB116 Experimental Science 2 Year 1 Semester 2 CVB101 General Chemistry Chemical Structure and **CVB102** Reactivity Year 2 Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Year 2 Semester 2 **Chemical Measurement** CVB210 Science Science Core Unit Option Year 3 Semester 1 CVB201 Inorganic Chemistry CVB202 Analytical Chemistry Year 3 Semester 2 CVB203 Physical Chemistry Organic Structure and CVB204 Mechanisms Year 4 Semester 1 **Organic Chemistry: Strategies** CVB301 for Synthesis CVB302 Applied Physical Chemistry

Year 4 Semester 2 CVB303 Coordination Chemistry

CVB304 Chemistry Research Project

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1

• <u>Yea</u> • <u>Yea</u>	r 4 Semester 1 r 4 Semester 2
Code	Title
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Se	emester 2
Science (Core Unit Option
Science N	Major Unit Option
Year 2 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 Se	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3 Se	emester 2
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Se	emester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Se	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics

 Year 2 Semester 2 Year 3 Semester 1

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Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1 .
- Year 3 Semester 2
- Year 4 Semester 1 .
- Year 4 Semester 2

Code	Title
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Se	emester 2
Science (Core Unit Option
Science M	Major Unit Option
Year 2 Se	emester 1
SEB115	Experimental Science 1

SEB116	Experimental Science 2
Year 2 Se	emester 2
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Se	emester 1
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Se	emester 2
Year 3 Se BVB204	emester 2 Ecology
Year 3 Se BVB204 EVB302	emester 2 Ecology Environmental Pollution
Year 3 Se BVB204 EVB302 Year 4 Se	emester 2 Ecology Environmental Pollution emester 1
Year 3 Se BVB204 EVB302 Year 4 Se BVB311	emester 2 Ecology Environmental Pollution emester 1 Conservation Biology
Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312	Environmental Pollution Environmental Pollution Emester 1 Conservation Biology Soils and the Environment
Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se	emester 2 Ecology Environmental Pollution emester 1 Conservation Biology Soils and the Environment emester 2
Year 3 Se BVB204 EVB302 Year 4 Se BVB311 EVB312 Year 4 Se ERB310	emester 2 Ecology Environmental Pollution emester 1 Conservation Biology Soils and the Environment emester 2 Groundwater Systems

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Year 1 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Se	emester 2
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 2 Se	emester 1
PVB210	Stellar Astrophysics
SEB104	Grand Challenges in Science
Year 2 Se	emester 2
SEB113	Quantitative Methods in Science
Science C	Core Unit Option
Year 3 Se	emester 1
PQB360	Introduction to Climate Change
PVB203	Experimental Physics
Year 3 Se	emester 2
PVB204	Electromagnetism
PVB220	Cosmology
Year 4 Se	emester 1
PVB301	Materials and Thermal Physics
	QUT

the university for the real world

This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE20&id=37352. CRICOS No.00213J

Bachelor of Science/Bachelor of Mathematics

PVB302	Classical and Quantum Physics
Year 4 Se	emester 2
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

Semesters

- Applied and Computational Mathematics Major unit set:
- Year 1 Semester 1 ٠
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 ٠

Code	Title
Applied a Major uni	nd Computational Mathematics t set:
Year 1 Se	emester 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Se	emester 2
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Se	emester 1
MXB101	Probability and Stochastic Modelling 1
Maths Co	ore Options Unit
Year 2 Se	emester 2
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Se	emester 1
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Se	emester 2
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Se	emester 1
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Se	emester 2
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1

• <u>Year</u>	<u>2 Semester 2</u>
• <u>Year</u>	<u>3 Semester 1</u>
• <u>Yea</u> • <u>Yea</u>	<u>4 Semester 1</u> 4 Semester 2
Code	Title
Operation	is Research Major ur

it set:

MXB102Abstract Mathematical ReasoningMXB106Linear AlgebraYear 1 S==ester 2MXB105Calculus and Differential EquationsMXB101Computational ExplorationsYear 2 S==ester 1MXB101Probability and Stochastic Modelling 1MXB101Probability and Stochastic Modelling 1MXB103Introductory Computational MathematicsMXB103Introduction to Statistical ModellingMXB104Introduction to Statistical ModellingMXB201Advanced Linear AlgebraMXB202Advanced Linear AlgebraMXB203Introduction to Operations ResearchYear 3 S==ester 2MXB204Advanced CalculusMXB205Advanced CalculusMXB206Advanced CalculusMXB207Statistical InferenceYear 4 S==ester 1MXB334Statistical InferenceYear 4 S==ester 2MXB334Operations Research for Stochastic ProcessesMXB338Work Integrated Learning in Operations Research	Year 1 Se	emester 1
MXB106Linear AlgebraYear 1 Semester 2MXB105Calculus and Differential EquationsMXB101Computational ExplorationsYear 2 Semester 1MXB101Probability and Stochastic Modelling 1MXB101Probability and Stochastic Modelling 1MXB101Probability and Stochastic Modelling 1MXB101Introductory Computational MathematicsMXB103Introduction to Statistical ModellingYear 3 Semester 1MXB201MXB201Advanced Linear AlgebraMXB232Introduction to Operations ResearchYear 3 Semester 2MXB202MXB202Advanced CalculusMXB241Probability and Stochastic Modelling 2Year 4 Semester 1MXB332MXB332Optimisation ModellingMXB341Statistical InferenceYear 4 Semester 2MXB334MXB334Operations Research for Stochastic ProcessesMXB338Work Integrated Learning in Operations Research	MXB102	Abstract Mathematical Reasoning
Year 1 Semester 2MXB105Calculus and Differential EquationsMXB101Computational ExplorationsYear 2 Semester 1MXB101Probability and Stochastic Modelling 1MAths CoreOptions UnitYear 2 Semester 2MXB103Introductory Computational MathematicsMXB107Introduction to Statistical 	MXB106	Linear Algebra
MXB105Calculus and Differential EquationsMXB101Computational ExplorationsYear 2 Senseter 1MXB101Probability and Stochastic Modelling 1MAths CorrectoryYear 2 Senseter 2MXB103Introductory Computational MathematicsMXB103Introduction to Statistical ModellingYear 3 Senseter 1MXB201Advanced Linear AlgebraMXB202Advanced Linear AlgebraMXB203Introduction to Operations ResearchYear 3 Senseter 2MXB204Advanced CalculusMXB205Advanced CalculusMXB206Advanced CalculusMXB207Senseter 1MXB208Optimisation ModellingMXB340Statistical InferenceYear 4 Senseter 1MXB334MXB334Statistical InferenceYear 4 Senseter 2MXB334MXB334Statistical InferenceYear 3Senseter 2MXB334Statistical ProcessesMXB334Statistical InferenceYear 4Senseter 2MXB334Statistical ProcessesMXB334Statistical Inference <th>Year 1 Se</th> <th>emester 2</th>	Year 1 Se	emester 2
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Year 4 Semester 1MXB332Optimisation ModellingMXB341Statistical InferenceYear 4 Semester 2MXB334MXB334Operations Research for Stochastic ProcessesMXB338Work Integrated Learning in Operations Research	Year 3 Se MXB201 MXB232 Year 3 Se MXB202	emester 1 Advanced Linear Algebra Introduction to Operations Research emester 2 Advanced Calculus
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Semesters

- <u>Statistical Science Major unit set:</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title	
Statistical Science Major unit set:		
Year 1 Semester 1		
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Semester 2		

MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Semester 1		
MXB101	Probability and Stochastic Modelling 1	
Maths Core Options Unit		
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB242	Regression and Design	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
Year 4 Se	emester 1	
MXB341	Statistical Inference	
MXB344	Generalised Linear Models	
Year 4 Se	emester 2	
MXB343	Modelling Dependent Data	
MXB348	Work Integrated Learning in Statistics	



This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE20&id=37352. CRICOS No.00213J

Year	2021
QUT code	SE30
CRICOS	059226F
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$6,100 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,300 per year full-time (96 credit points)
Total credit points	384
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly (Information Technology); Professor Tim Moroney (Mathematics)
Discipline Coordinator	Dr Wayne Kelly (Computer Science); Dr Erwin Fielt (Information Systems); Dr Pascal Buenzli (Applied & Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics). +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Course Overview

Mathematics and information technology are interrelated disciplines. This double degree provides you with the knowledge and skills to develop solutions for complex problems that provide great benefits to society. In the first year you will build a foundation in mathematics and information technology and then select integrated strands combining units from the areas of applied mathematics. computational mathematics, operations research, statistics or financial mathematics with the combined information technology major from either Information Systems of Computer Science.

Career Outcomes

Mathematics underpins much of information technology, especially in the more advanced areas of development and analysis. As a graduate you may find employment as a technical support specialist, data visualisation specialist, operations research specialist, computational scientist, statistician (there is high demand in the insurance industry), or work in complex system and scientific modelling.

Professional Recognition

Graduates will be eligible for membership of the Mathematical Society of Australia, the Statistical Society of Australia and, depending on unit selection, the Australian Society for Operations Research. This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Domestic Course structure The Bachelor of Mathematics component consists of:

- Six (6) core units (72 credit points 48cp + 24cp core options)
- Ten (10) major core units (120 credit points).

The Bachelor of Information Technology component consists of:

- Six (6) core units (72 credit points 48cp + 24cp core options)
- Ten (10) major core units (120 credit points).

International Course structure

The Mathematics Component consists of :

- Six (6) Core units (72 credit points - 48cp + 24cp Core options)

- Ten (10) Major Core units (120 credit points)

The Bachelor of Information Technology component consists of:

- Six (6) Core units (72 credit points - 48cp + 24cp Core options)

- Ten (10) Major Core units (120 credit points)

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 1
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code <u>Title</u>

Year 1, Semester 1



Bachelor of Information Technology/Bachelor of Mathematics

IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 1	
IT Core U	Init Option	
IT Core Unit Option		
Year 2, S	emester 2	
CAB201	Programming Principles	
CAB202	Microprocessors and Digital Systems	
Year 3, S	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S	emester 1	
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
Year 4, S	emester 2	
IFB399	Capstone Project (Phase 2)	
Select one of:		
CAB401	High Performance and Parallel Computing	
CAB402	Programming Paradigms	
CAB403	Systems Programming	
CAB420	Machine Learning	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 • ٠
- Year 3, Semester 1
- Year 3, Semester 2 •
- •
- Year 4, Semester 1 Year 4, Semester 2 ٠

Code	Title	
Year 1, Semester 1		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, Semester 2		
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, Semester 1		
IT Core Unit Option		
IT Core L	Init Option	
IT Core L IT Core L	Init Option Init Option	
IT Core U IT Core U Year 2, S	Init Option Init Option emester 2	
IT Core L IT Core L Year 2, S IAB201	Init Option Init Option emester 2 Modelling Techniques for Information Systems	

Year 3, S	emester 1
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, S	emester 2
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, S	emester 1
IFB398	Capstone Project (Phase 1)
Select on	e of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, S	emester 2
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)

Semesters

- Applied and Computational
- Mathematics Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 •

Code Title

Applied and Computational Mathematics Major unit set:		
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Semester 2		
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Semester 1		
MXB101	Probability and Stochastic Modelling 1	
Maths Core Options Unit		
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	

rear 3 Semester 2		
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
Year 4 Semester 1		
MXB322	Partial Differential Equations	
MXB326	Computational Methods 2	
Year 4 Semester 2		
MXB325	Modelling with Differential Equations 2	
MXB328	Work Integrated Learning in Applied and Computational	

Semesters

Y

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- Operations Research Major unit set:
- Year 1 Semester 1

Mathematics

- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Operatior	ns Research Major unit set:
Year 1 Se	emester 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Se	emester 2
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Se	emester 1
MXB101	Probability and Stochastic Modelling 1
Maths Co	re Options Unit
Year 2 Se	emester 2
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Se	emester 1
MXB201	Advanced Linear Algebra
MXB232	Introduction to Operations Research
Year 3 Se	emester 2
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Se	emester 1
MXB332	Optimisation Modelling
MXB341	Statistical Inference
Year 4 Se	emester 2
MXB334	Operations Research for Stochastic Processes
MXB338	Work Integrated Learning in Operations Research

This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE30&id=37353. CRICOS No.00213J QUT

Semesters

- Statistical Science Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2 Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Statistical	Science Major unit set:
Year 1 Se	emester 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Se	emester 2
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Se	emester 1
MXB101	Probability and Stochastic Modelling 1
Maths Co	re Options Unit
Year 2 Se	emester 2
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Se	emester 1
MXB201	Advanced Linear Algebra
MXB242	Regression and Design
Year 3 Se	emester 2
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Se	emester 1
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Se	emester 2
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics



Year	2021
QUT code	SE40
CRICOS	084922G
Duration (full-time)	5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$6,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,700 per year full-time (96 credit points)
Total credit points	480
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Professor Tim Moroney (Mathematics)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron Mcfadyen (Electrical & Aerospace); Dr Wim Dekkers/Professor Ted Steinberg (Mechanical); Associate Professor Luis Alvarez (Mechatronics); Associate Professor Devakar Epari (Medical); Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics) +61 7 3138 2000

askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE40, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Mathematics in SE40, students are required to complete 192 credit points of course units, as outlined below:

- 96 credit points (8 units) of Core units, which include 24 credit points (2 units) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE40, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp.

To graduate with a Bachelor of Mathematics in SE40, students are required to complete 192 credit points of course units, as outlined below:

- 96 credit points (8 units) of Core units, which include 24 credit points (2 units) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

Sample Structure

Semesters

- <u>Applied and Computational</u> <u>Mathematics Major unit set:</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code Title Applied and Computational Mathematics Major unit set:

Year 1 Semester 1		
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Semester 2		
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Semester 1		
MXB101	Probability and Stochastic Modelling 1	
Maths Core Options Unit		
Year 2 Semester 2		
MXB103	Introductory Computational Mathematics	



Bachelor of Engineering (Honours)/Bachelor of Mathematics

MXB107	Introduction to Statistical Modelling	
Year 3 Semester 1		
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
Year 3 Semester 2		
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
Year 4 Semester 1		
MXB322	Partial Differential Equations	
MXB326	Computational Methods 2	
MXB326 Year 4 Se	Computational Methods 2 emester 2	
MXB326 Year 4 Se MXB325	Computational Methods 2 emester 2 Modelling with Differential Equations 2	

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- ٠ Year 1 Semester 2
- Year 2 Semester 1 ٠
- Year 2 Semester 2 • •
- Year 3 Semester 1
- Year 3 Semester 2 Year 4 Semester 1 • ٠
- •
- Year 4 Semester 2

Code	Title		
Operatior	Operations Research Major unit set:		
Year 1 Se	emester 1		
MXB102	Abstract Mathematical Reasoning		
MXB106	Linear Algebra		
Year 1 Se	emester 2		
MXB105	Calculus and Differential Equations		
Maths Core Options Unit			
Please note: SE40 students will do MXB161 as part of their Engineering Maths units.			
Year 2 Semester 1			
MXB101	Probability and Stochastic Modelling 1		
Maths Core Options Unit			
Year 2 Se	emester 2		
MXB103	Introductory Computational Mathematics		
MXB107	Introduction to Statistical Modelling		
Year 3 Se	emester 1		
MXB201	Advanced Linear Algebra		
MXB232	Introduction to Operations Research		
Year 3 Se	emester 2		
MXB202	Advanced Calculus		
MXB241	Probability and Stochastic		

Modelling 2	
Year 4 Semester 1	
Optimisation Modelling	
Statistical Inference	
Year 4 Semester 2	
Operations Research for Stochastic Processes	
Work Integrated Learning in Operations Research	

Semesters

- <u>Statistical Science Major unit set:</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title	
Statistical	Science Major unit set:	
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
Maths Co	re Options Unit	
Please note: SE40 students will do MXB161 as part of their Engineering Maths units.		
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	re Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB242	Regression and Design	
Year 3 Semester 2		
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
Year 4 Semester 1		
MXB341	Statistical Inference	
MXB344	Generalised Linear Models	
Year 4 Se	emester 2	
MXB343	Modelling Dependent Data	
MXB348	Work Integrated Learning in Statistics	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 Year 2 - Semester 2
- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - 8	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - S	Semester 1
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - 5	Semester 2
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - S	Semester 1
EGB362	Operations Management and Process Economics
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - 5	Semester 2
EGH400 -2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control



Bachelor of Engineering (Honours)/Bachelor of Mathematics

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 .
- Year 4, Semester 1
- Year 4 Semester 2 •
- Year 5 Semester 1 Year 5 Semester 2 •

Code Title Year 1 - Semester 1 Energy in Engineering **EGB113** Systems MXB161 Computational Explorations Year 1 - Semester 2 Engineering Sustainability and **EGB100 Professional Practice** MZB126 Engineering Computation Year 2 - Semester 1 Foundation of Engineering **EGB111** Design EGB121 Engineering Mechanics Year 2 - Semester 2 EGB123 Civil Engineering Systems Foundation Unit Option Year 3 - Semester 1 EGB270 Civil Engineering Materials Traffic and Transport EGB272 Engineering Year 3 - Semester 2 EGB273 Principles of Construction EGB373 Geotechnical Engineering Year 4, Semester 1 EGB275 Structural Mechanics EGB371 Engineering Hydraulics Year 4 - Semester 2 EGB376 Steel Design EGH471 Advanced Water Engineering Year 5 - Semester 1 EGB375 Design of Concrete Structures **EGH400 Research Project 1** -1 Research in Engineering EGH404 Practice Advanced Geotechnical EGH473 Engineering Year 5 - Semester 2 **EGH400 Research Project 2** -2 Advanced Highway and EGH472 Pavement Engineering Advanced Concrete EGH475 Structures Advances in Civil Engineering **EGH479**

Practice

Semesters

- Year 1 Semester 1
- Year 1 Semester 2 • Year 2 - Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 ٠
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - 8	Semester 2
CAB202	Microprocessors and Digital Systems
Intermedi	ate Electrical Option Unit
Year 4 - S	Semester 1
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - S	Semester 2
CAB403	Systems Programming
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGH400 -1	Research Project 1
CAB302	Software Development
EGH456	Embedded Systems
Advanced Systems	d Computer and Software Option Unit
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
CAB432	Cloud Computing
Advanced Computer and Software Systems Option Unit	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 - Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB120	Foundations of Electrical Engineering	
Year 3 - 3	Semester 1	
EGB240	Electronic Design	
EGB241	Electromagnetics and Machines	
Year 3 - S	Semester 2	
EGB242	Signal Analysis	
Intermedi	ate Electrical Option Unit (1)	
EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time.		
Year 4 - S	Semester 1	
EGB340	Design and Practice	
Foundatio	on Unit Option	
Year 4 - S	Semester 2	
Intermedi	ate Electrical Option Unit (2)	
Intermedi	ate Electrical Option Unit (3)	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
Advanced	d Electrical Option Unit (1)	
Advanced	d Electrical Option Unit (2)	
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
Advanced	d Electrical Option Unit (3)	
Advanced	d Electrical Option Unit (4)	

the university for the real world

Advanced Electrical Option Unit (5)

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 • Year 3 - Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
 Year 5 Semester 1
- Year 5 Semester 2

Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - 8	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit
Year 4 - S	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - S	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - 8	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced	d Electrical Option Unit
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced	d Electrical Option Unit

Sem	esters	
٠	Year 1 - Semester 1	
•	Year 1 - Semester 2	2
•	Year 2 - Semester 1	
٠	Year 2 - Semester 2	2
•	Year 3 - Semester 1	Ĺ

- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - S	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

Semesters

Year 1 - Semester 1
Year 1 - Semester 2

- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 5	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - 5	Semester 2
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - 5	Semester 1
EGB220	Mechatronics Design 1
EGB321	Dynamics of Machines
Year 4 - S	Semester 2
EGB320	Mechatronics Design 2
Intermedi	ate Electrical Option Unit
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH446	Autonomous Systems
Year 5 - 5	Semester 2
EGH400 -2	Research Project 2
EGH413	Advanced Dynamics
EGH445	Modern Control
Advanced	l Electrical Option Unit

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
 Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1





Bachelor of Engineering (Honours)/Bachelor of Mathematics

- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 2

• Year 5 - Semester 1 • Year 5 - Semester 2		
Code	Title	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering	
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 5	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundatio	on Unit Option	
Year 3 - 8	Semester 1	
EGB314	Strength of Materials	
LQB187	Human Anatomy	
LQB187 r	eplaces LSB131 from 2021	
onwards		
Year 3 - S	Semester 2	
EGB211	Dynamics	
LSB231	Physiology	
Year 4 - S	Semester 1	
EGB214	Materials and Manufacturing	
EGB323	Fluid Mechanics	
Year 4 - S	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 1	
EGB319	BioDesign	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH418	Biomechanics	
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	
EGH438	Biomaterials	

Year	2021
QUT code	SE50
CRICOS	080489G
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$37,000 per year full-time (96 credit points)
Total credit points	384
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Marion Bateson (Biological Sciences); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics); Dr Wayne Kelly (Computer Science); and Dr Erwin Fielt (Information Systems). +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

This double degree prepares you for an increasing range of careers that involve the application of information technology to science. It gives you the ability to use creative as well as analytical methods to solve scientific problems. Studying this double degree allows you to develop the technical skills required for your relevant field of study in science.

The science component of the course offers you the choice of majoring in Biological Sciences, Physics, Chemistry, Environmental Science or Earth Sciences. Theoretical aspects are balanced by strong practical components in this science and information technology double degree.

The Information Technology component of this degree offers a choice of majors in Information Systems or Computer Science.

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

Career Outcomes

Graduates may find roles where they can use their information technology skills within the science discipline. Areas include sensor networks, complex system and scientific modelling, and science. As a graduate, you can expect to work in roles such as a scientific modeller, engineering software developer, scientific programmer, and computational scientist.

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Science program and 192 credit points from the Bachelor of Information Technology program.

Science component:

- 5 Science Core units (60 credit points), includes 1 unit (12 credit points) from the approved list of Option Units.
- 11 Major Core units (132 credit points)

Information

Technology component:

- 6 Information Technology Core units (72 credit points), includes 2 units (24 credit points) of Option Units** selected from an approved list.
- 10 Major Core units (120 credit points)

** Options List - comprises a range of units from which you choose to undertake two (2). You are able to undertake these options in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Science



program and 192 credit points from the Bachelor of Information Technology program.

Science component:

- 5 Science Core units (60 credit points), includes 1 unit (12 credit points) from the approved list of Option Units.
- 11 Major Core units (132 credit points)

Information Technology component:

- 6 Information Technology Core units (72 credit points), includes 2 units (24 credit points) of Option Units** selected from an approved list.
- 10 Major Core units (120 credit points)

** Options List - comprises a range of units from which you choose to undertake two (2). You are able to undertake these options in any semester. The options include introductory units from a wide variety of disciplines offered at QUT.

Sample Structure **Semesters**

- Semester 1 (February)
- commencements
- Year 1, Semester 1 Year 1, Semester 2
- Year 2, Semester 1 .
- •
- Year 2, Semester 2 Year 3, Semester 1 ٠
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2 •
- Year 2, Semester 1
- Year 2, Semester 2 ٠
- Year 3, Semester 1
- Year 3, Semester 2 . Year 4, Semester 1 •
- Year 4, Semester 2
- Year 5, Semester 1

Code	Title	
Semester 1 (February) commencements		
Year 1, Semester 1		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, Semester 2		
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, Semester 1		
CAB201	Programming Principles	
IT Core Unit Option		
Year 2, Semester 2		
CAB202	Microprocessors and Digital Systems	

IT Core Unit Option		
Year 3, Semester 1		
CAB203	Discrete Structures	
CAB302	Software Development	
Year 3, S	emester 2	
IFB295	IT Project Management	
CAB303	Networks	
Year 4, S	emester 1	
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
Year 4, S	emester 2	
IFB399	Capstone Project (Phase 2)	
Select on	e of:	
CAB401	High Performance and Parallel Computing	
CAB402	Programming Paradigms	
CAB403	Systems Programming	
CAB420	Machine Learning	
Semester	2 (July) commencements	
Year 1, S	emester 2	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 1	
(No IT units)		
(No IT un	its)	
(No IT un Year 2, S	its) emester 2	
(No IT un Year 2, S IT Core U	its) emester 2 Init Option	
(No IT un Year 2, S IT Core L Year 3, S	its) emester 2 Init Option emester 1	
(No IT un Year 2, S IT Core L Year 3, S CAB201	its) emester 2 Init Option emester 1 Programming Principles	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295	its) emester 2 Unit Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB203 CAB301	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB203 CAB301 Year 4, S	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1)	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398 Year 5, S	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB203 CAB301 Year 5, S CAB302	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2)	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399 IT Core L	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2) Unit Option	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399 IT Core L Select on	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2) Init Option e of:	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399 IT Core L Select on CAB401	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2) Init Option e of: High Performance and Parallel Computing	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399 IT Core L Select on CAB401 CAB402	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2) Init Option e of: High Performance and Parallel Computing Programming Paradigms	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB203 CAB203 CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399 IT Core L Select on CAB401 CAB402 CAB403	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2) Init Option e of: High Performance and Parallel Computing Programming Paradigms Systems Programming	
(No IT un Year 2, S IT Core L Year 3, S CAB201 CAB202 Year 3, S CAB303 IFB295 Year 4, S CAB301 Year 4, S IFB398 Year 5, S CAB302 IFB399 IT Core L Select on CAB401 CAB402 CAB403 CAB420	its) emester 2 Init Option emester 1 Programming Principles Microprocessors and Digital Systems emester 2 Networks IT Project Management emester 1 Discrete Structures Algorithms and Complexity emester 2 Capstone Project (Phase 1) emester 1 Software Development Capstone Project (Phase 2) Init Option e of: High Performance and Parallel Computing Programming Paradigms Systems Programming Machine Learning	

Semesters

- Semester 1 (February)
 - commencements Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 .
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
 Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1 •
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2 Year 5, Semester 1

Code	Title	
Semester	1 (February) commencements	
Year 1, Semester 1		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 1	
IAB201	Modelling Techniques for Information Systems	
IT Core U	nit Option	
Year 2, S	emester 2	
IAB207	Rapid Web Application Development	
IT Core U	nit Option	
Year 3, S	emester 1	
IAB203	Business Process Modelling	
IAB204	Business Requirements Analysis	
Year 3, S	emester 2	
IAB305	Information Systems Lifecycle Management	
IFB295	IT Project Management	
Year 4, S	emester 1	
IFB398	Capstone Project (Phase 1)	
Select on	e of:	
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	
IAB402	Information Systems Consulting	
Year 4, S	emester 2	
IAB401	Enterprise Architecture	
IFB399	Capstone Project (Phase 2)	



Semester	2 (July) commencements	
Year 1, S	emester 2	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 1	
(No IT un	its)	
Year 2, S	emester 2	
IT Core U	Init Option	
Year 3, S	emester 1	
IAB201	Modelling Techniques for Information Systems	
IAB207	Rapid Web Application Development	
Year 3, S	emester 2	
IAB305	Information Systems Lifecycle Management	
IFB295	IT Project Management	
Year 4, S	emester 1	
IAB203	Business Process Modelling	
IAB204	Business Requirements Analysis	
Year 4, S	emester 2	
IAB401	Enterprise Architecture	
IFB398	Capstone Project (Phase 1)	
Year 5, Semester 1		
IFB399	Capstone Project (Phase 2)	
IT Core Unit Option		
Select one of:		
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	
IAB402	Information Systems Consulting	

Semesters

- Semester 1 (February)
- commencements
- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1 ٠
- ٠
- Year 4, Semester 2 •
- Semester 2 (July) commencements
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2 •
- Year 3, Semester 1
- Year 3, Semester 2 ٠
- Year 4, Semester 1 Year 4, Semester 2 •
- Year 5, Semester 1

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, S	emester 2
Science C	Core Unit Option
Science M	/lajor Unit Option
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, S	emester 2
BVB201	Biological Processes
BVB204	Ecology
Yea <u>r</u> 4, <u>S</u>	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, S	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester	2 (July) commencements
Year 1, S	emester 2
(No Scier	ice units)
Year 2, S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Science M	Aajor Unit Option
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, S	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4, S	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment

Year 4, S	emester 2	
BVB304	Integrative Biology	
BVB313	Population Genetics and Molecular Ecology	
Computer Science major students - Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1.		
Year 5, Semester 1		
Information Systems major students - Select Science Core Unit Option here.		
Semesters		

 Semester 1 (February) commencements Year 1, Semester 1 Year 1, Semester 2 Year 2, Semester 1 Year 3, Semester 1 Year 3, Semester 1 Year 4, Semester 2 Year 4, Semester 2 Semester 2 (July) commencements Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 1 Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 3, Semester 1 Year 4, Semester 1 Year 5, Semester 1 	
Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1, S	emester 2
MXB100	Introductory Calculus and Algebra
Science (Core Unit Option
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3, S	emester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, S	emester 2
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, S	emester 1
CV/B201	Organic Chemistry: Strategies



for Synthesis

CVB302 Applied Physical Chemistry

CVB301

Year 4, S	emester 2
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
Semester	2 (July) commencements
Year 1, S	emester 2
(No Scier	nce units)
Year 2, S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
MXB100	Introductory Calculus and Algebra
Year 3, S	emester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, S	emester 2
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, S	emester 1
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, S	emester 2
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
Computer Science major students - Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1.	

Year 5, Semester 1

Information Systems major students -Select Science Core Unit Option here.

Semesters

- <u>Semester 1 (February)</u>
- commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 1
 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code Title Semester 1 (February) commencements Year 1, Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SFB113** Science Year 1, Semester 2 Science Core Unit Option Science Major Unit Option Year 2, Semester 1 SEB115 Experimental Science 1 SEB116 Experimental Science 2 Year 2, Semester 2 ERB101 Earth Systems ERB102 Evolving Earth Year 3, Semester 1 Destructive Earth: Natural **ERB201** Hazards ERB202 Marine Geoscience Year 3, Semester 2 Sedimentary Geology and **ERB203** Stratigraphy Deforming Earth: ERB204 Fundamentals of Structural Geology Year 4, Semester 1 ERB301 Chemical Earth ERB302 Applied Geophysics Year 4, Semester 2 Energy Resources and Basin **ERB303** Analysis Dynamic Earth: Plate **ERB304** Tectonics Semester 2 (July) commencements Year 1, Semester 2 (No Science units) Year 2, Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science SEB115 Experimental Science 1 SEB116 Experimental Science 2 Year 2, Semester 2 ERB101 Earth Systems ERB102 Evolving Earth Science Major Unit Option Year 3, Semester 1 Destructive Earth: Natural **ERB201** Hazards ERB202 Marine Geoscience Year 3, Semester 2 Sedimentary Geology and **ERB203** Stratigraphy

Deforming Earth:

Fundamentals of Structural

ERB204

ERB301 Chemical Earth ERB302 Applied Geophysics Year 4, Semester 2 Energy Resources and Basin **ERB303** Analysis Dynamic Earth: Plate **ERB304** Tectonics Computer Science major students -Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1. Year 5, Semester 1 Information Systems major students -Select Science Core Unit Option here. **Semesters** Semester 1 (February) commencements Year 1, Semester 1 Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 ٠ • Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 Year 4, Semester 2 Semester 2 (July) commencements Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 . Year 4, Semester 2 Year 5, Semester 1 Code Title Semester 1 (February) commencements Year 1, Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Year 1, Semester 2 Science Core Unit Option Science Major Unit Option Year 2, Semester 1

Geology

Year 4, Semester 1

SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, Semester 2		
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Year 3, Semester 1		
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3, Semester 2		

BVB204 Ecology



This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE50&id=37370. CRICOS No.00213J

EVB302	Environmental Pollution
Year 4, S	emester 1
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, S	emester 2
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Semester	2 (July) commencements
Year 1, S	emester 2
(No Scier	ice units)
Year 2, S	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Science N	Aajor Unit Option
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, S	emester 2
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, S	emester 1
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, S	emester 2
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Computer	Science major students -
Select Sc	ience Core Unit Option here or
swap with	Computer Science Major Unit
Vear 5 S	emester 1
Informatio	on Systems major students -
Select Sc	ience Core Unit Option here.
Semeste	ers
• <u>Sem</u>	<u>ester 1 (February)</u>
<u>commencements</u>	
<u>rear 1, Semester 1</u> <u>Year 1, Semester 2</u>	
Year 2, Semester 1	
Year 2, Semester 2 Year 3, Semester 1	

- Year 3, Semester 2
- ٠ Year 4, Semester 1
- Year 4, Semester 2 •
- Semester 2 (July) commencements
- Year 1, Semester 2 ٠ Year 2, Semester 1

- Year 2, Semester 2
 - Year 3, Semester 1
 - Year 3, Semester 2
 - Year 4, Semester 1
 Year 4, Semester 2
 - Year 5, Semester 1

Code	Title	
Semester	r 1 (February) commencements	
Year 1, S	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1, S	emester 2	
MXB100	Introductory Calculus and Algebra	
Science (Core Unit Option	
Year 2, S	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, S	emester 2	
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	
Yea <u>r 3, S</u>	emester 1	
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
Year 3, S	emester 2	
	Computational and	
FVB200	Mathematical Physics	
PVB204	Electromagnetism	
Year 4, S	emester 1	
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4, S	emester 2	
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	
Semester	r 2 (July) commencements	
Year 1, S	emester 2	
(No Scier	nce units)	
Year 2, S	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, Semester 2		
MXB100	Introductory Calculus and Algebra	
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	
Year 3, S	emester 1	
PVB200	Computational and Mathematical Physics	
PVB203	Experimental Physics	

Year 3, Semester 2		
PVB202	Mathematical Methods in Physics	
PVB204	Electromagnetism	
Year 4, S	emester 1	
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4, S	emester 2	
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	
Computer Science major students - Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1.		
Year 5, S	emester 1	
Information Systems major students -		

Select Science Core Unit Option here.

This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE50&id=37370. CRICOS No.00213J



Year	2021
QUT code	SE60
CRICOS	084923F
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,100 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron Mcfadyen (Electrical & Aerospace); Dr Wim Dekkers/Professor Ted Steinberg (Mechanical); Associate Professor Luis Alvarez (Mechatronics); Associate Professor Devakar Epari (Medical); Dr Wayne Kelly (Computer Science); and Dr Erwin Fielt (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

Sample Structure PLEASE NOTE:

For students taking the IT: Computer Science major with Engineering: Computer & Software Systems major, please refer to the "IT Units: Computer Science/Eng Computer Software Sys Majors ONLY (SE60MJR-CSSES)" structure instead.

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2 .
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2
- •
- Year 4, Semester 1
- Year 4, Semester 2 •
- Semester 2 (July) commencements
- Year 1, Semester 2 ٠
- Year 2, Semester 1
- Year 2, Semester 2 •
- Year 3, Semester 1 •
- Year 3, Semester 2 ٠
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- **Computer Science Major Unit Options**

Title Code

Semester 1 (February) commencements



IEB105 Database Management

Year 1, S	emester 1
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
For Engin	neering students majoring in:
Civil, Med Process/0	hanical, Medical or Chemical Process major -
IT Core U	Init Option
IT Core U	Init Option
For Engin Electrical Mechatro	leering students majoring in: , Electrical & Aerospace or nics major -
	Dragramming Dringinlag
CAB201	Programming Principles
Year 2, S	emester 2
For Engin Civil, Mec Process/0	ieering students majoring in: hanical, Medical or Chemical Process major -
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
(Note: Se	lect CAB202 from the
Computer this is cor majoring	r Science Major Option list - npulsory in the IT component if in these engineering majors.)
For Engin Electrical Mechatro	leering students majoring in: , Electrical & Aerospace or nics major -
IT Core U	Init Option
Compute	r Science Major Unit Option 1
(Note: CA in the eng	B202 will be available as core gineering component if majoring proipeering majors)
Voor 3 S	omostor 1
CAD203	Discrete Structures
CAB302	Soltware Development
Year 3, S	emester 2
CAB303	Networks
IFB295	11 Project Management
Year 4, S	emester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, S	emester 2
IFB399	Capstone Project (Phase 2)
Computer	r Science Major Unit Option 2
Semester	2 (July) commencements
Year 1, S	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2. S	emester 1
IFB104	Building IT Systems

11 10 10 5	Database Management
Year 2, S	emester 2
CAB201	Programming Principles
IT Core C	ption
Year 3, S	emester 1
CAB203	Discrete Structures
For Engin	eering students majoring in:
Process/0	Chemical Process maior -
0.0000	Microprocessors and Digital
CAB202	Systems
For Engin	eering students majoring in:
Electrical,	Electrical & Aerospace or
	nics major -
	Science Major Unit Option 1
rear 3, 5	emester 2
IFB295	
Year 4, S	
CAB301	Algorithms and Complexity
Year 4, S	emester 2
IFB398	Capstone Project (Phase 1)
OR Osmunista	Osianas Maias Unit Ostian O
	Science Major Unit Option 2
Year 5, S	emester 1
Commuter	Capstolle Project (Phase 2)
	Science Major Unit Option 2
UK IT Cara II	nit Option
selected r	previously.)
Computer	Science Maior Unit Options
	Microprocessors and Digital
CAB202	Systems
(CAB202	is CORE unless your
Engineeri	ng major is in Computer &
Software & Aerosp	Systems, Electrical, Electrical
you will co	omplete CAB202 in your
Engineeri	ng component.)
CAB220	Fundamentals of Data
0,12220	Science
CAB320	Artificial Intelligence
CAB340	Cryptography
CAB401	High Performance and
	Parallel Computing
	Programming Paradigins
UAB420	Nachine Learning
CAB430	Integration
CAB432	Cloud Computing
CAR440	Network and Systems
070440	
	Administration

PLEASE NOTE:

This structure Is ONLY for the combination of IT Computer Science and Engineering Computer & Software Systems Majors.

Semesters

٠	Semester 1	(February)

- <u>commencements</u>
- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 • Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2 ٠
- Year 5, Semester 1
- <u>Computer Science Major Unit</u> Options

Code	Title	
Semester	1 (February) commencements	
Year 1, S	emester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 1	
IT Core U	nit Option	
IT Core U	nit Option	
Year 2, S	emester 2	
Computer	Science Major Unit Option 1	
Computer Science Major Unit Option 2		
CAB201 and CAB202 are core to EN01 Computer Software Systems Major		
Year 3, S	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S	emester 1	
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
Year 4, S	emester 2	
IFB399	Capstone Project (Phase 2)	
Computer Science Major Unit Option 3		
Semester 2 (July) commencements		
Vear 1 Semester 2		

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This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE60&id=37371. CRICOS No.00213J

IFB102	Introduction to Computer	
IFB103	IT Systems Design	
Year 2, S	emester 1	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 2	
Compute	r Science Major Unit Option 1	
IT Core L	Init Option	
Year 3, S	emester 1	
CAB203	Discrete Structures	
Compute	r Science Major Unit Option 2	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S	emester 1	
CAB301	Algorithms and Complexity	
CAB302	Software Development	
Year 4, S	emester 2	
IFB398	Capstone Project (Phase 1)	
IT Core L	Init Option	
OR		
Compute	r Science Major Unit Option 3	
Year 5, S	emester 1	
IFB399	Capstone Project (Phase 2)	
Computer Science Major Unit Option 3		
Compute	r Science Major Unit Option 3	
Compute OR	r Science Major Unit Option 3	
Compute OR IT Core L	r Science Major Unit Option 3 Init Option	
Compute OR IT Core L (Select IT	r Science Major Unit Option 3 Init Option Core Unit Option here, if not	
Compute OR IT Core L (Select IT selected	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.)	
Compute OR IT Core L (Select IT selected I Compute	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options	
Compute OR IT Core L (Select IT selected J Compute As CAB2	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to	
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems	
Compute OR IT Core L (Select IT selected p Compute As CAB2 EN01 Co Major, SE	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will	
Compute OR IT Core L (Select IT selected Compute As CAB2 EN01 Co Major, SE undertake	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will e two extra Computer Science ion units in place of CAB201	
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB2	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will to two extra Computer Science ion units in place of CAB201 202.	
Compute OR IT Core L (Select IT selected p Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB2	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience	
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB310	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will to two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design	
Compute OR IT Core L (Select IT selected I As CAB2 EN01 Co Major, SE undertake Major opt and CAB310 CAB320	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will to two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence	
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB310 CAB310 CAB330	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics	
Compute OR IT Core L (Select IT selected Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB3 CAB310 CAB320 CAB330 CAB340	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography	
Compute OR IT Core L (Select IT selected Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB3 CAB310 CAB320 CAB330 CAB340	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing	
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB310 CAB310 CAB320 CAB330 CAB340 CAB401 CAB402	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms	
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB3 CAB310 CAB320 CAB330 CAB340 CAB401 CAB402 CAB420	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning	
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB3 CAB310 CAB320 CAB330 CAB340 CAB401 CAB402 CAB420 CAB430	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning Data and Information Integration	
Compute OR IT Core L (Select IT selected I As CAB2 EN01 Co Major, SE undertake Major opt and CAB310 CAB310 CAB320 CAB330 CAB340 CAB401 CAB401 CAB402 CAB420 CAB430 CAB430	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning Data and Information Integration Search Engine Technology	
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB3 CAB310 CAB310 CAB320 CAB330 CAB340 CAB401 CAB402 CAB420 CAB430 CAB431 CAB432	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning Data and Information Integration Search Engine Technology Cloud Computing	
Compute OR IT Core L (Select IT selected J Compute As CAB2/ EN01 Co Major, SE undertake Major opt and CAB3 CAB310 CAB310 CAB300 CAB300 CAB401 CAB402 CAB402 CAB430 CAB430 CAB431 CAB432 CAB431	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning Data and Information Integration Search Engine Technology Cloud Computing Network and Systems Administration	
Compute OR IT Core L (Select IT selected I As CAB2 EN01 Co Major, SE undertake Major opt and CAB310 CAB310 CAB320 CAB330 CAB340 CAB401 CAB401 CAB402 CAB420 CAB430 CAB430 CAB431 CAB432 CAB432	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning Data and Information Integration Search Engine Technology Cloud Computing Network and Systems Administration Network Security	

Semeste	rs	
• <u>Sem</u>	<u>iester 1 (February)</u>	
<u>commencements</u>		
• <u>Yea</u>	r 1, Semester 1	
• <u>rea</u> • Yea	r 2 Semester 1	
Year 2, Semester 2		
Year 3, Semester 1		
• <u>Yea</u>	Year 3, Semester 2	
• <u>Yea</u>	r <u>4, Semester 1</u>	
• <u>rea</u> • Sem	ester 2 (July) commencements	
• Yea	r 1. Semester 2	
 Year 	r 2, Semester 1	
• <u>Yea</u>	r 2, Semester 2	
• <u>Yea</u>	r 3, Semester 1	
• <u>rea</u> • Yea	r 4 Semester 1	
• Yea	r 4, Semester 2	
• Yea	<u>r 5, Semester 1</u>	
Code	Title	
Somootor	1 (Echrucry) common comonto	
Semester	T (February) commencements	
Year 1, S	emester 1	
IFB102	Introduction to Computer	
	Systems	
IFB103	IT Systems Design	
Year 1, S	emester 2	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2 S	emester 1	
IT Core I		
TI Core C		
Year 2, S	emester 2	
CAB201	Programming Principles	
CAB202	Microprocessors and Digital	
0/10202	Systems	
Year 3, S	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
Year 3. S	emester 2	
CAB303	Networks	
CAD303		
IFB295	TT Project Management	
Year 4, S	emester 1	
CAB301	Algorithms and Complexity	
IFB398	Capstone Project (Phase 1)	
Year 4, S	emester 2	
IFB399	Capstone Project (Phase 2)	
Select on	e of:	
	High Performance and	
CAB401	Parallel Computing	
CAR/02	Programming Daradiame	
CAB403		
CAB420	Machine Learning	
Semester	2 (July) commencements	
Year 1, S	emester 2	
	Introduction to Computer	
IFB102	Systems	

Year 2, Semester 1 IFB104 **Building IT Systems** IFB105 **Database Management** Year 2, Semester 2 CAB201 Programming Principles **IT Core Unit Option** Year 3, Semester 1 Microprocessors and Digital CAB202 Systems CAB301 Algorithms and Complexity Year 3, Semester 2 CAB303 Networks IFB295 IT Project Management Year 4, Semester 1 CAB203 Discrete Structures CAB302 Software Development Year 4, Semester 2 IFB398 Capstone Project (Phase 1) Select ONE of: High Performance and CAB401 Parallel Computing CAB403 Systems Programming **OR IT Core Unit Option** Year 5, Semester 1 IFB399 Capstone Project (Phase 2) Select ONE of: CAB402 Programming Paradigms CAB420 Machine Learning **OR IT Core Unit Option** (Select IT Core Unit Option here, if not selected previously.)

Semesters

٠	Semester 1	(February)
	commencer	ients

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

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Code	Title
Semeste	r 1 (February) commencements
Year 1, S	Semester 1
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	Semester 2
_	
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the r	eal world

IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
IT Core L	Init Option
IT Core L	Init Option
Year 2, S	emester 2
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, S	emester 1
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, S	emester 2
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, S	emester 1
IFB398	Capstone Project (Phase 1)
Select on	e of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, S	emester 2
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester	2 (July) commencements
Year 1, S	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, S	emester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 2
IAB201	Modelling Techniques for Information Systems
IT Core L	Init Option
Year 3, S	emester 1
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, S	emester 2
IAB305	Information Systems Lifecycle Management
IT Core L	Init Option
Year 4, S	emester 1
IAB203	Business Process Modelling

IFB295	IT Project Management
Year 4, S	emester 2
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2)
Select ON	NE of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting

Semesters Semester 1 (February)

<u>commencements</u>
<u>Year 1 - Semester 1</u>
<u>Year 1 - Semester 2</u>

Year 2 - Semester 1
 Year 2 - Semester 2

• <u>Yea</u> • Yea	<u>r 3 - Semester 1</u> r 3 - Semester 2
• <u>Yea</u>	<u>r 4 - Semester 1</u>
• <u>Yea</u> • Yea	<u>r 4 - Semester 2</u> r 5 - Semester 1
• Yea	r 5 - Semester 2
Code	Title
Semester	r 1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - S	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - S	Semester 1
EGB262	Process Principles

EGB362	Operations Management and Process Economics
Year 4 - S	Semester 2
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - S	Semester 1
EGB361	Minerals and Minerals Processing
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

Semesters

 Semester 1 (February) <u>commencements</u>
 Year 1 - Semester 1
 Year 1 - Semester 2
 Year 2 - Semester 1
 Year 2 - Semester 2
 Year 3 - Semester 1
 Year 3 - Semester 2

• <u>Yea</u> • <u>Yea</u>	<u>r 4, Semester 1</u> r 4 - Semester 2
• Year	<u>r 5 - Semester 1</u>
• <u>real</u>	<u>r 5 - Semester 2</u>
Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 5	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB123	Civil Engineering Systems
Foundatio	on Unit Option
Year 3 - S	Semester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - S	Semester 2

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EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, S	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - S	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - S	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Semesters

- Semester 1 (February)
- commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 ٠ Year 3 - Semester 1
- Year 3 Semester 2 ٠
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 - Semester 1
- Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 5	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 5	Semester 2
EGB120	Foundations of Electrical Engineering

Foundatio	on Unit Option
Year 3 - S	Semester 1
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 3 - 5	Semester 2
CAB201	Programming Principles
Intermedi	ate Electrical Option Unit
Year 4 - S	Semester 1
EGB240	Electronic Design
Intermedi	ate Software Option Unit
For stude Major: CA the Comp contact S Faculty to units you	nts with Computer Science AB301 and CAB302 are core to outer Science Major. Please cience and Engineering be provided a list of additional can select from.
Year 4 - S	Semester 2
CAB403	Systems Programming
Intermedi Option Ur	ate Electrical or Software hit
Year 5 - S	Semester 1
EGH404	Research in Engineering Practice
EGH400 -1	Research Project 1
Advanced Unit	Electrical or Software Option
EGH456	Embedded Systems
Year 5 - 5	Semester 2
EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
Advanced	d Electrical Option Unit
Advanced	Software Option Unit
Semeste <u>com</u> <u>Yea</u> <u>Yea</u> <u>Yea</u> <u>Yea</u> <u>Yea</u> <u>Yea</u> <u>Yea</u> <u>Yea</u> <u>Yea</u> <u>Yea</u>	ers mencements r1 - Semester 1 r1 - Semester 2 r2 - Semester 1 r3 - Semester 1 r3 - Semester 1 r3 - Semester 1 r4 - Semester 1 r4 - Semester 2 r5 - Semester 1

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2

EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - S	Semester 1
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - S	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit (1)
FGB348	can be selected from the list. A
requisite	waiver for this unit will be
granted if	you are enrolled in EGB242 at
the same	time .
Year 4 - S	Semester 1
EGB340	Design and Practice
Foundatio	
· Janually	on Unit Option
Year 4 - S	Semester 2
Year 4 - S	on Unit Option Semester 2 iate Electrical Option Unit (2)
Year 4 - S Intermedi	on Unit Option Semester 2 iate Electrical Option Unit (2) iate Electrical Option Unit (3)
Year 4 - S Intermedi Intermedi Year 5 - S	Semester 2 Semester 2 ate Electrical Option Unit (2) ate Electrical Option Unit (3) Semester 1
Year 4 - S Intermedi Intermedi Year 5 - S EGH400	Semester 2 Jate Electrical Option Unit (2) Jate Electrical Option Unit (3) Semester 1 Research Project 1
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1	Semester 2 Jate Electrical Option Unit (2) Jate Electrical Option Unit (3) Semester 1 Research Project 1
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404	Semester 2 Tate Electrical Option Unit (2) Tate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced	Semester 2 Jate Electrical Option Unit (2) Jate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1)
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced	Semester 2 Jate Electrical Option Unit (2) Jate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2)
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Year 5 - S	Semester 2 Jate Electrical Option Unit (2) Jate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2) Semester 2
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Year 5 - S EGH400 -2	Semester 2 Tate Electrical Option Unit (2) Tate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2) Semester 2 Research Project 2
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Year 5 - S EGH400 -2 Advanced	Semester 2 Tate Electrical Option Unit (2) Tate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2) Semester 2 Research Project 2 d Electrical Option Unit (3)
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Year 5 - S EGH400 -2 Advanced Advanced	Semester 2 Tate Electrical Option Unit (2) Tate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2) Semester 2 Research Project 2 d Electrical Option Unit (3) d Electrical Option Unit (4)
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Year 5 - S EGH400 -2 Advanced Advanced Advanced	Semester 2 Tate Electrical Option Unit (2) Tate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2) Semester 2 Research Project 2 d Electrical Option Unit (3) d Electrical Option Unit (3) d Electrical Option Unit (4) d Electrical Option Unit (5)

Semesters

- Semester 1 (February) <u>commencements</u>
- Year 1 Semester 1
 Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code Title

Semester 1 (February) commencements



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• Year 5 - Semester 2

Year 1 - S	semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
MXB161	Computational Explorations		
Year 1 - S	Semester 2		
EGB100	Engineering Sustainability and		
LGD100	Professional Practice		
MZB126	Engineering Computation		
Year 2 - S	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - S	Semester 2		
	Foundations of Electrical		
EGB120	Engineering		
Foundatio	on Unit Option		
Year 3 - S	Semester 1		
CAB202	Microprocessors and Digital Systems		
EGB240	Electronic Design		
Year 3 - S	Semester 2		
EGB242	Signal Analysis		
Intermedi	ate Electrical Option Unit		
Year 4 - S	Semester 1		
EGB243	Aircraft Systems and Flight		
EGB349	Systems Engineering and Design Project		
Year 4 - S	Semester 2		
EGB345	Control and Dynamic Systems		
EGB346	Unmanned Aircraft Systems		
Voor 5	Compostor 1		
rear J - C			
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH446	Autonomous Systems		
Advanced	Electrical Option Unit		
Year 5 - S	Semester 2		
EGH400			
-2	Research Project 2		
EGH445	Modern Control		
EGH450	Advanced Unmanned Aircraft Systems		
Advanced	l Electrical Option Unit		

Semesters

- Semester 1 (February)
- **commencements**
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- ٠ Year 3 - Semester 2
- Year 4 Semester 1 •
- Year 4 Semester 2
 Year 5 Semester 1

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 8	Semester 1
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - 8	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - 8	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB316	Design of Machine Elements
EGH400	
-1	Research Project 1
-1 EGH414	Research Project 1 Stress Analysis
-1 EGH414 EGH421	Research Project 1 Stress Analysis Vibration and Control
-1 EGH414 EGH421 Year 5 - S	Research Project 1 Stress Analysis Vibration and Control Semester 2
-1 EGH414 EGH421 Year 5 - S EGH400 -2	Research Project 1 Stress Analysis Vibration and Control Semester 2 Research Project 2
-1 EGH414 EGH421 Year 5 - S EGH400 -2 EGH420	Research Project 1 Stress Analysis Vibration and Control Semester 2 Research Project 2 Mechanical Systems Design
-1 EGH414 EGH421 Year 5 - 5 EGH400 -2 EGH420 EGH422	Research Project 1 Stress Analysis Vibration and Control Semester 2 Research Project 2 Mechanical Systems Design Advanced Thermodynamics

Semesters

- <u>Semester 1 (February)</u> commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1

Year 4 - Semester 2 Xear 5 - Semester 1		
Year 5 - Semester 1 Year 5 - Semester 2		
Code	Title	
Semester	r 1 (February) commencements	
Year 1 - S	Semester 1	
	Energy in Engineering	
EGB113	Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical	
Foundatio	on Unit Option	
Year 3 - S	Semester 1	
EGB211	Dvnamics	
EGB242	Signal Analysis	
Year 3 - S	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB345	Control and Dynamic Systems	
Year 4 - S	Semester 1	
EGB220	Mechatronics Design 1	
Intermed	ate Mechanical Option Unit	
Year 4 - S	Semester 2	
EGB320	Mechatronics Design 2	
Intermed	ate Electrical Option Unit	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH419	Mechatronics Design 3	
EGH445	Modern Control	
Year 5 - 9	Semester 2	
EGH400	Research Project 2	
-2 A du cara a		
Advanced		
EGH446	Autonomous Systems	
Auvance		

• Year 3 - Semester 2 • Year 4 - Semester 1

Semesters

- Semester 1 (February)
- commencements
- Year 1 Semester 1



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- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 Semester 2 ٠
- ٠
- Year 4 Semester 1 ٠ Year 4 - Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title		
Semester 1 (February) commencements			
Year 1 - S	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - S	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 5	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - S	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundatio	on Unit Option		
Year 3 - 5	Semester 1		
EGB314	Strength of Materials		
LQB187	Human Anatomy		
LQB187 replaces LSB131 from 2021 onwards			
Year 3 - S	Semester 2		
EGB211	Dynamics		
LSB231	Physiology		
Year 4 - S	Semester 1		
EGB214	Materials and Manufacturing		
EGB323	Fluid Mechanics		
Year 4 - S	Semester 2		
EGB210	Fundamentals of Mechanical Design		
EGH404	Research in Engineering Practice		
Year 5 - 5	Semester 1		
EGB319	BioDesign		
EGH400 -1	Research Project 1		
EGH414	Stress Analysis		
EGH418	Biomechanics		
Year 5 - S	Semester 2		
EGH400 -2	Research Project 2		
EGH424	Biofluids		
EGH435	Modelling and Simulation for		

Medical Engineers

EGH438 Biomaterials



2021
SE70
092653A
4 years
87.00
Yes
Gardens Point
2021: CSP \$6,300 per year full-time (96 credit points)
2021: \$34,000 per year full-time (96 credit points)
384
48
February
February
You can defer your offer and postpone the start of your course for one year.
Associate Professor Ross Brown (Games and Interactive Environments); Professor Tim Moroney (Mathematics)
Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics). +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Games and Interactive Environment program and 192 credit points from the Bachelor of Mathematics program.

Games and Interactive Environments component:

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units

Mathematics component:

- 6 core units (72 credit points), which are further divided into 4 mathematics core units (48 credit points), and 2 core option units* (24 credit points) selected from an approved list.
- 10 major core units (120 credit points).

* Unit options list - comprises a wide

variety of foundation units from a range of disciplines offered at QUT. In the Mathematics component, there is an opportunity to choose additional mathematics units, which includes a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems. The core option choices can be used to complement your Major studies.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Games and Interactive Environment program and 192 credit points from the Bachelor of Mathematics program.

Games and Interactive

Environments component:

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units

Mathematics component:

- 6 core units (72 credit points), which are further divided into 4 mathematics core units (48 credit points), and 2 core option units* (24 credit points) selected from an approved list.
- 10 major core units (120 credit points).

* Unit options list - comprises a wide variety of foundation units from a range of disciplines offered at QUT. In the Mathematics component, there is an opportunity to choose additional mathematics units, which includes a unit specially designed to assist students without a background of successful study in Mathematics C at high school; an alternative unit aimed at high achieving students that explores some interesting and unusual aspects of mathematics in some detail; and a unit introducing the field of computational and simulation science which combines mathematics, science and computing to simulate realworld problems. The core option choices



Bachelor of Games and Interactive Environments/Bachelor of Mathematics

can be used to complement your Major studies.

Sample Structure **Semesters**

- Year 1, Semester 1
 - Year 1, Semester 2
 - Year 2, Semester 1
 - Year 2, Semester 2
 - Year 3, Semester 1
 - Year 3, Semester 2
 - Year 4, Semester 1
 - Year 4, Semester 2 ٠

Code	Title		
Year 1, Semester 1			
IGB180	Computer Games Studies		
IGB181	Game Production and Technology		
Year 1, S	emester 2		
IFB103	IT Systems Design		
IFB104	Building IT Systems		
Year 2, S	emester 1		
IGB100	Game Studio 1: Mini-Game Development		
BGIE Cor	e Unit Option		
Year 2, S	emester 2		
KNB127	CGI Foundations		
KNB135	Animation Aesthetics		
Year 3, S	emester 1		
KNB137	Digital Worlds		
BGIE Cor	e Unit Option		
Year 3, S	emester 2		
IGB200	Game Studio 2: Applied Game Development		
KNB136	Visual Storytelling: Production Design		
[KNB227 2021]	replaced by KNB136 from		
Year 4, S	emester 1		
IFB398	Capstone Project (Phase 1)		
[IGB300 r	eplaced by IFB398 from 2021]		
KNB217	Digital Creatures		
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.			
Year 4, Semester 2			
IFB399	Capstone Project (Phase 2)		
[IGB301 r	eplaced by IFB399 from 2021]		
IGB400	Game Studio 3: Game Innovation		
Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit			

code. Please contact the faculty for

assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title		
Year 1, S	emester 1		
IGB180	Computer Games Studies		
IGB181	Game Production and Technology		
Year 1, S	emester 2		
IFB103	IT Systems Design		
IFB104	Building IT Systems		
Year 2, S	emester 1		
IGB100	Game Studio 1: Mini-Game Development		
BGIE Cor	e Unit Option		
Year 2, S	emester 2		
IGB220	Fundamentals of Game Design		
DXB205	Interactive Narrative Design		
Year 3, S	emester 1		
DXB211	Creative Coding		
BGIE Cor	e Unit Option		
Year 3, S	emester 2		
IGB200	Game Studio 2: Applied Game Development		
IGB321	Immersive Game Level Design		
Year 4, S	emester 1		
IFB398	Capstone Project (Phase 1)		
[IGB300 r	eplaced by IFB398 from 2021]		
IGB388	Design and Development of Immersive Environments		
[IGB320 r	eplaced by IGB388 from 2021]		
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.			
Year 4, S	emester 2		
IFB399	Capstone Project (Phase 2)		
[IGB301 r	replaced by IFB399 from 2021]		
	Game Studio 3: Game		

IGB400 Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for

Year 2, Semester 2 CAB201 Programming Principles

		0	0		
	IGB283	Game E Applicati	ngine on	Theory	/ and
	Year 3, Semester 1				
		1			

Development

CAB301 Algorithms and Complexity **BGIE Core Unit Option**

assistance in updating your Study Plan

accordingly and to inform the

• Year 1, Semester 1

Year 1, Semester 2

Year 2, Semester 1

Year 2, Semester 2

• Year 3, Semester 1

Year 3, Semester 2

Year 4, Semester 1

Year 4, Semester 2

Technology

IT Systems Design

Building IT Systems

Game Studio 1: Mini-Game

Computer Games Studies Game Production and

Title

Year 1, Semester 1

Year 1, Semester 2

Year 2, Semester 1

BGIE Core Unit Option

Coordinator.

Semesters

Code

IGB180

IGB181

IFB103

IFB104

IGB100

Year 3, Semester 2		
IGB200	Game Studio 2: Applied Game Development	

IGB381 Game Engine Technology

Year 4, Semester 1

IFB398 Capstone Project (Phase 1) [IGB300 replaced by IFB398 from 2021] IGB383 AI for Games

Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year 4. Semester 2

IFB399	399 Capstone Project (Phase 2)		
[IGB301 replaced by IFB399 from 2021]			
IGB400 Game Studio 3: Game Innovation			

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.


Bachelor of Games and Interactive Environments/Bachelor of Mathematics

Semesters

- Applied and Computational Mathematics Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- •
- Year 2 Semester 1 Year 2 Semester 2 .
- Year 3 Semester 1 ٠
- Year 3 Semester 2
- Year 4 Semester 1
 Year 4 Semester 2

Title Cade

oouc	1100	
Applied and Computational Mathematics Major unit set:		
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	re Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
Year 4 Se	emester 1	
MXB322	Partial Differential Equations	
MXB326	Computational Methods 2	
Year 4 Se	emester 2	
MXB325	Modelling with Differential Equations 2	
MXB328	Work Integrated Learning in Applied and Computational Mathematics	

Semesters

 Operations Research Major unit set
Year 1 Semester 1
 Year 1 Semester 2
 Year 2 Semester 1
 Year 2 Semester 2

- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 •

Code Title

Operations Research Major unit set:		
Year 1 Semester 1		
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	re Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Vear 3 Se	mostor 1	
1001000	emester i	
MXB201	Advanced Linear Algebra	
MXB201 MXB232	Advanced Linear Algebra Introduction to Operations Research	
MXB201 MXB232 Year 3 Se	Advanced Linear Algebra Introduction to Operations Research emester 2	
MXB201 MXB232 Year 3 Se MXB202	Advanced Linear Algebra Introduction to Operations Research emester 2 Advanced Calculus	
MXB201 MXB232 Year 3 Se MXB202 MXB241	Advanced Linear Algebra Introduction to Operations Research emester 2 Advanced Calculus Probability and Stochastic Modelling 2	
MXB201 MXB232 Year 3 Se MXB202 MXB241 Year 4 Se	Advanced Linear Algebra Introduction to Operations Research emester 2 Advanced Calculus Probability and Stochastic Modelling 2 emester 1	
MXB201 MXB202 Year 3 Se MXB202 MXB241 Year 4 Se MXB332	Advanced Linear Algebra Introduction to Operations Research emester 2 Advanced Calculus Probability and Stochastic Modelling 2 emester 1 Optimisation Modelling	
MXB201 MXB202 Year 3 Se MXB202 MXB241 Year 4 Se MXB332 MXB341	Advanced Linear Algebra Introduction to Operations Research emester 2 Advanced Calculus Probability and Stochastic Modelling 2 emester 1 Optimisation Modelling Statistical Inference	
MXB201 MXB202 Year 3 Se MXB202 MXB241 Year 4 Se MXB332 MXB341 Year 4 Se	Advanced Linear Algebra Introduction to Operations Research emester 2 Advanced Calculus Probability and Stochastic Modelling 2 emester 1 Optimisation Modelling Statistical Inference emester 2	
MXB201 MXB202 Year 3 Se MXB202 MXB241 Year 4 Se MXB332 MXB341 Year 4 Se MXB334	Advanced Linear Algebra Introduction to Operations Research emester 2 Advanced Calculus Probability and Stochastic Modelling 2 emester 1 Optimisation Modelling Statistical Inference emester 2 Operations Research for Stochastic Processes	
MXB201 MXB202 Year 3 Se MXB202 MXB241 Year 4 Se MXB332 MXB341 Year 4 Se MXB334 MXB338	Advanced Linear Algebra Introduction to Operations Research emester 2 Advanced Calculus Probability and Stochastic Modelling 2 emester 1 Optimisation Modelling Statistical Inference emester 2 Operations Research for Stochastic Processes Work Integrated Learning in Operations Research	

- <u>Statistical Science Major unit set:</u>
- ٠ Year 1 Semester 1
- Year 1 Semester 2 .
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 ٠ •
- Year 4 Semester 1 Year 4 Semester 2 ٠
- Code Title Statistical Science Major unit set: Year 1 Semester 1 Abstract Mathematical MXB102 Reasoning MXB106 Linear Algebra Year 1 Semester 2 Calculus and Differential MXB105 Equations MXB161 Computational Explorations Year 2 Semester 1 Probability and Stochastic **MXB101** Modelling 1

Maths Core Options Unit		
Year 2 Semester 2		
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Semester 1		
MXB201	Advanced Linear Algebra	
MXB242	Regression and Design	
Year 3 Semester 2		
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic Modelling 2	
Year 4 Semester 1		
MXB341	Statistical Inference	
MXB344	Generalised Linear Models	
Year 4 Semester 2		
MXB343	Modelling Dependent Data	
MXB348	Work Integrated Learning in Statistics	



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Year	2021
QUT code	SE80
CRICOS	084924E
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$38,700 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Graham Johnson (Science)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron Mcfadyen (Electrical & Aerospace); Dr Wim Dekkers/Prof Ted Steinberg (Mechanical); Aspro Luis Alvarez (Mechatronics); Aspro Devakar Epari (Medical); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); and Aspro Jamie Trapp (Physics) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

Sample Structure

Semesters

- Semester 1 (February) commencements
 - Year 1 Semester 1
- Year 1 Semester 2 •
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- ٠ Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2 Year 2, Semester 1 ٠
- Year 2, Semester 2
- •
- Year 3, Semester 1 •
- Year 3, Semester 2 Year 4, Semester 1 .
- Year 4, Semester 2
- Year 5, Semester 1

Code Title

Semester 1 (February) commencements Year 1 Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Year 1 Semester 2 Science Core Unit Option Science Major Unit Option Year 2 Semester 1 SEB115 Experimental Science 1



SEB116	Experimental Science 2
Year 2 Se	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Se	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Se	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4 Se	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Se	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, S	emester 2
BVB201	Biological Processes
BVB204	
	Ecology
Year 4, S	Ecology emester 1
Year 4, S BVB203	Ecology emester 1 Plant Biology
Year 4, S BVB203 BVB305	Ecology emester 1 Plant Biology Microbiology and the Environment
Year 4, S BVB203 BVB305 Year 4, S	Ecology emester 1 Plant Biology Microbiology and the Environment emester 2
Year 4, S BVB203 BVB305 Year 4, S BVB304	Ecology emester 1 Plant Biology Microbiology and the Environment emester 2 Integrative Biology
Year 4, S BVB203 BVB305 Year 4, S BVB304 BVB313	Ecology emester 1 Plant Biology Microbiology and the Environment emester 2 Integrative Biology Population Genetics and Molecular Ecology
Year 4, S BVB203 BVB305 Year 4, S BVB304 BVB313 Year 5, S	Ecology emester 1 Plant Biology Microbiology and the Environment emester 2 Integrative Biology Population Genetics and Molecular Ecology emester 1
Year 4, S BVB203 BVB305 Year 4, S BVB304 BVB313 Year 5, S Science (Ecology emester 1 Plant Biology Microbiology and the Environment emester 2 Integrative Biology Population Genetics and Molecular Ecology emester 1 Core Unit Option

Semesters

- Semester 1 (February)
- <u>commencements</u>
- Year 1 Semester 1

This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?course?Code=SE80&id=37373. CRICOS No.00213J

• <u>Yea</u>	r 2 Semester 2	
• <u>Yea</u>	r <u>3 Semester 1</u> r 3 Semester 2	
Year 4 Semester 1		
• Yea	r 4 Semester 2	
• <u>Ser</u>	nester 2 (July) commencements	
• <u>1ea</u> • Yea	r 2, Semester 1	
• Yea	r 2, Semester 2	
• <u>Yea</u>	r <u>3, Semester 1</u>	
• <u>rea</u> • Yea	r 4. Semester 1	
 Yea 	r 4, Semester 2	
• <u>Yea</u>	<u>r 5, Semester 1</u>	
Code	Title	
Semester	r 1 (February) commencements	
Year 1 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1 Se	emester 2	
CVB101	General Chemistry	
	Chemical Structure and	
CVB102	Reactivity	
Year 2 Se	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in	
OLDITO	Science	
Year 2 Se	emester 2	
CVB210	Chemical Measurement Science	
Science (Core Unit Option	
Year 3 Se	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
Year 3 Se	emester 2	
CVB203	Physical Chemistry	
	Organic Structure and	
CVB204	Mechanisms	
Year 4 Se	emester 1	
CVB301	Organic Chemistry: Strategies for Synthesis	
CVB302	Applied Physical Chemistry	
Year 4 Se	emester 2	
CVB303	Coordination Chemistry	
CVB304	Chemistry Research Project	
Semester	r 2 (July) commencements	
Year 1, S	emester 2	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Yea <u>r 2, S</u>	emester 1	
SEB115	Experimental Science 1	
	·	
SEB116	Experimental Science 2	
SEB116 Yea <u>r 2, S</u>	Experimental Science 2	

Year 1 Semester 2
Year 2 Semester 1

CVB102	Chemical Structure and	ER

	Reactivity
Year 3, S	emester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, S	emester 2
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, S	emester 1
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, S	emester 2
CVB210	Chemical Measurement Science
CVB303	Coordination Chemistry
Year 5, S	emester 1
CVB304	Chemistry Research Project
Science (Core Unit Option
Semeste	ers

<u>Semester 1 (February)</u>

• Year 1 Semester 1

• V		
• <u>rea</u>	r 2 Semester 1	
• <u>Yea</u>	r 2 Semester 2	
Year 3 Semester 1 Year 3 Semester 2		
Year 3 Semester 2 Year 4 Semester 1		
Year 4 Semester 1 Year 4 Semester 2		
• <u>rea</u>	<u>4 Semesier 2</u>	
	r 1 Semester 2	
• Year	r 2 Semester 1	
• Year	r 2. Semester 2	
• Year	r 3, Semester 1	
 Year 	r <u>3, Semester 2</u>	
• <u>Yea</u>	<u>r 4, Semester 1</u>	
• <u>Yea</u>	r 4, Semester 2	
• <u>Yea</u>	<u>r 5, Semester 1</u>	
Code	Title	
Ouuc		
Semester	(February) commencements	
Year 1 Se	emester 1	
SEB104	Grand Challenges in Science	
SEB112	Quantitative Methods in	
SEDIIS	Science	
Year 1.Se	mester 2	
Science (Core Unit Option	
Science (Science M	Core Unit Option Major Unit Option	
Science C Science M Year 2 Se	Core Unit Option Major Unit Option emester 1	
Science (Science M Year 2 Se SEB115	Core Unit Option Major Unit Option emester 1 Experimental Science 1	
Science C Science M Year 2 Se SEB115 SEB116	Core Unit Option Major Unit Option Experimental Science 1 Experimental Science 2	
Science C Science M Year 2 Se SEB115 SEB116 Year 2 Se	Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2	
Science C Science M Year 2 Se SEB115 SEB116 Year 2 Se ERB101	Core Unit Option Major Unit Option Emester 1 Experimental Science 1 Experimental Science 2 Emester 2 Earth Systems	
Science C Science N Year 2 Se SEB115 SEB116 Year 2 Se ERB101 ERB102	Core Unit Option Major Unit Option Experimental Science 1 Experimental Science 2 Experimental Science 2 Earth Systems Evolving Earth	
Science C Science M Year 2 Se SEB115 SEB116 Year 2 Se ERB101 ERB102 Year 3 Se	Core Unit Option Major Unit Option Experimental Science 1 Experimental Science 2 Emester 2 Earth Systems Evolving Earth Emester 1	
Science C Science M Year 2 Se SEB115 SEB116 Year 2 Se ERB101 ERB102 Year 3 Se ERB201	Core Unit Option Major Unit Option Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth Emester 1 Destructive Earth: Natural Hazards	



Voor 2 S	amostor 2
rear 5 Se	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Se	emester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Se	emester 2
	Energy Resources and Basin
ERB303	Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
050440	Quantitative Methods in
SEBIIS	Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, S	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, S	emester 2
ERB203	Sedimentary Geology and Stratigraphy
	Deforming Earth:
ERB204	Fundamentals of Structural Geology
Year 4, S	emester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, S	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Year 5, S	emester 1
Science (Core Unit Option
Science M	Major Unit Option

Semesters

- Semester 1 (February)
- <u>commencements</u>
- Year 1 Semester 1
- Year 1 Semester 2
 Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- ٠ Year 3 Semester 2
- Year 4 Semester 1 ٠ • Year 4 Semester 2
- <u>Semester 2 (July) commencements</u>

 Year 1, Semester 2 Year 2, Semester 1 Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2 Year 4, Semester 1 			
Year 4, Semester 2 Year 5, Semester 1			
Codo	Titlo		
Semester	1 (February) commencements		
Year 1 Se	emester 1		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
Year 1 Se	emester 2		
Science C	Core Unit Option		
Science M	Aajor Unit Option		
Year 2 Se	emester 1		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2 Se	emester 2		
ERB101	Earth Systems		
EVB102	Ecosystems and the Environment		
Year 3 Se	emester 1		
BVB202	Experimental Design and Quantitative Methods		
EVB203 Geospatial Information Science			
Year 3 Se	emester 2		
BVB204	Ecology		
EVB302	Environmental Pollution		
Year 4 Se	emester 1		
BVB311	Conservation Biology		
EVB312	Soils and the Environment		
Year 4 Se	emester 2		
ERB310	Groundwater Systems		
EVB304	Case Studies in Environmental Science		
Semester	2 (July) commencements		
Year 1, S			
SEB104 SEB113	Quantitative Methods in		
Voor 2 S	omostor 1		
SER115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2 S	emester 2		
FRB101	Farth Systems		
EVB102	Ecosystems and the Environment		
Year 3 S	emester 1		
BVB202	Experimental Design and Quantitative Methods		
EVB203	Geospatial Information Science		

Year 3, Semester 2		
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4, Semester 1		
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4, Semester 2		
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	
Year 5, Semester 1		
Science Core Unit Option		
Science Major Unit Option		

Semesters

 <u>Semester 1 (February)</u> 			
commencements			
Year 1 Semester 1			
Year 1 Semester 2			
Year 2 Semester 1			
• <u>Yea</u>	<u>r 2 Semester 2</u>		
• <u>Yea</u>	Year 3 Semester 1		
Year 3 Semester 2			
Year 4 Semester 1			
Year 4 Semester 2			
 Semester 2 (July) commencements 			
• <u>Yea</u>	<u>r 1, Semester 2</u>		
• <u>Yea</u>	<u>r 2, Semester 1</u>		
• <u>Yea</u>	<u>r 2, Semester 2</u>		
• <u>Yea</u>	<u>r 3, Semester 1</u>		
• <u>Yea</u>	r 3, Semester 2		
• <u>Yea</u>	<u>r 4, Semester 1</u>		
• <u>Yea</u>	r 4, Semester 2		
• <u>Yea</u>	<u>r 5, Semester 1</u>		
Code Title			
Semester	1 (February) commencements		
	()		
Year 1 Se	emester 1		
Year 1 Se	emester 1 Quantitative Methods in		
Year 1 Se SEB113	emester 1 Quantitative Methods in Science		
Year 1 Se SEB113	Quantitative Methods in Science		
Year 1 Se SEB113 SEB115	emester 1 Quantitative Methods in Science Experimental Science 1		
Year 1 Se SEB113 SEB115 Year 1 Se	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102	AmericanQuantitative Methods in ScienceExperimental Science 1Emester 2Grand Challenges in SciencePhysics of the Very Small		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1 Experimental Physics		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1 Experimental Physics Experimental Science 2		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1 Experimental Physics Experimental Science 2 emester 2		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1 Experimental Physics Experimental Science 2 emester 2 Computational and		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se PVB200	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1 Experimental Physics Experimental Science 2 emester 2 Computational and Mathematical Physics		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se PVB200 Science 6	emester 1Quantitative Methods in ScienceExperimental Science 1emester 2Grand Challenges in SciencePhysics of the Very Smallemester 1Experimental PhysicsExperimental Science 2emester 2Computational and Mathematical PhysicsCore Unit Option		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se PVB200 Science (Year 3 Se	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1 Experimental Physics Experimental Science 2 emester 2 Computational and Mathematical Physics Core Unit Option emester 1		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se PVB200 Science (Year 3 Se	emester 1Quantitative Methods in ScienceExperimental Science 1emester 2Grand Challenges in SciencePhysics of the Very Smallemester 1Experimental PhysicsExperimental Science 2emester 2Computational and Mathematical PhysicsCore Unit Optionemester 1		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se PVB200 Science (Year 3 Se PQB360	emester 1Quantitative Methods in ScienceExperimental Science 1emester 2Grand Challenges in SciencePhysics of the Very Smallemester 1Experimental PhysicsExperimental Science 2emester 2Computational and Mathematical PhysicsCore Unit Optionemester 1Introduction to Climate		
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se PVB200 Science (Year 3 Se PQB360	emester 1Quantitative Methods in ScienceExperimental Science 1emester 2Grand Challenges in SciencePhysics of the Very Smallemester 1Experimental PhysicsExperimental Science 2emester 2Computational and Mathematical PhysicsCore Unit Optionemester 1Introduction to Climate Change		



Year 3 Semester 2

PVB204 Electromagnetism

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PVB220	Cosmology		
Year 4 Se	emester 1		
PVB301	Materials and Thermal Physics		
PVB302	Classical and Quantum Physics		
Year 4 Se	emester 2		
PVB303	Nuclear and Particle Physics		
PVB304	Physics Research		
Semester 2 (July) commencements			
Year 1, S	emester 2		
PVB102	Physics of the Very Small		
SEB104	Grand Challenges in Science		
Year 2, S	emester 1		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2, Semester 2			
PVB200	Computational and Mathematical Physics		
SEB113	Quantitative Methods in Science		
Year 3, S	emester 1		
PVB203	Experimental Physics		
PVB210	Stellar Astrophysics		
Year 3, S	emester 2		
PVB204	Electromagnetism		
PVB220	Cosmology		
Year 4, S	emester 1		
PVB301	Materials and Thermal Physics		
PVB302	Classical and Quantum Physics		
Year 4, S	emester 2		
PVB303	Nuclear and Particle Physics		
PVB304	Physics Research		
Year 5, S	emester 1		
PQB360	Introduction to Climate Change		
Science (Core Unit Option		

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- •
- Year 2 Semester 2 Year 3 Semester 1 ٠
- Year 3 Semester 2 •
- . Year 4 - Semester 1
- <u>Year 4 Semester 2</u> <u>Year 5 Semester 1</u> ٠
- .
- Year 5 Semester 2 •

Code Title

Semester	1 (February) commencements	
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	

MZB125	Introductory Engineering Mathematics	
OR		
MXB161 Computational Explorations		
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundatio	on Unit Option	
Year 3 - 8	Semester 1	
EGB261	Unit Operations	
EGB323	Fluid Mechanics	
Year 3 - 8	Semester 2	
CVB101	General Chemistry	
EGB322 Thermodynamics		
Year 4 - S	Semester 1	
EGB262	Process Principles	
EGB361	Minerals and Minerals Processing	
Year 4 - S	Semester 2	
EGB364	Process Modelling	
EGH411	Industrial Chemistry	
Year 5 - 8	Semester 1	
EGB362	Operations Management and Process Economics	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH463	Plant and Process Design	
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
EGH422	Advanced Thermodynamics	
EGH423		
LOUID	Fluids Dynamics	
EGH462	Fluids Dynamics Process Control	

Semesters

- Semester 1 (February)
- **commencements**
- Year 1 Semester 1
- Year 1 Semester 2 •
- Year 2 Semester 1 Year 2 - Semester 2 ٠
- Year 3 Semester 1 •
- Year 3 Semester 2
- Year 4, Semester 1 •
- Year 4 Semester 2 ٠
- Year 5 - Semester 1
- Year 5 Semester 2

Semester 1 (February) commencementYear 1 - Semester 1EGB113Energy in Engineering SystemsMZB125Introductory Engineering MathematicsORMXB161MXB161Computational ExplorationsYear 1 - Semester 2EGB100Engineering Sustainability an Professional PracticeMZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
Year 1 - Semester 1EGB113Energy in Engineering SystemsMZB125Introductory Engineering MathematicsORMXB161MXB161Computational ExplorationsYear 1 - Semester 2EGB100Engineering Sustainability an Professional PracticeMZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
EGB113Energy in Engineering SystemsMZB125Introductory Engineering MathematicsORIntroductory Engineering MathematicsMXB161Computational ExplorationsYear 1 - Semester 2EGB100Engineering Sustainability an Professional PracticeMZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
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MXB161Computational ExplorationsYear 1 - Semester 2EGB100Engineering Sustainability an Professional PracticeMZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
Year 1 - Semester 2EGB100Engineering Sustainability an Professional PracticeMZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
EGB100Engineering Sustainability an Professional PracticeMZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
MZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
Year 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
EGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
Year 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
Foundation Unit Option Year 3 - Semester 1 EGB270 Civil Engineering Materials EGB272 Traffic and Transport Engineering Year 3 - Semester 2 EGB273 Principles of Construction EGB373 Geotechnical Engineering Year 4, Semester 1	
Year 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
EGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1	
Year 3 - Semester 2 EGB273 Principles of Construction EGB373 Geotechnical Engineering Year 4, Semester 1	
EGB273 Principles of Construction EGB373 Geotechnical Engineering Year 4, Semester 1	
EGB373 Geotechnical Engineering Year 4, Semester 1	
Year 4, Semester 1	
EGB275 Structural Mechanics	
EGB371 Engineering Hydraulics	
Year 4 - Semester 2	
EGB376 Steel Design	
EGH471 Advanced Water Engineering	
Year 5 - Semester 1	
EGB375 Design of Concrete Structure	
-1 Research Project 1	
EGH404 Research in Engineering Practice	
EGH473 Advanced Geotechnical Engineering	
Year 5 - Semester 2	
EGH400 -2 Research Project 2	
EGH472 Advanced Highway and Pavement Engineering	
EGH475 Advanced Concrete Structures	
EGH479 Advances in Civil Engineering Practice	

Semesters

- Semester 1 (February) commencements
- •
- Year 1 Semester 1 Year 1 Semester 2 ٠
- Year 2 Semester 1

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This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE80&id=37373. CRICOS No.00213J

Semesters

Semester 1 (February)

- Year 2 Semester 2 ٠
- Year 3 Semester 1 •
- Year 3 Semester 2
- Year 4 Semester 1 Year 4 - Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	The
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 5	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 5	Semester 1
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - S	Semester 2
CAR202	Microprocessors and Digital
CABZUZ	Systems
Intermedi	ate Electrical Option Unit
Year 4 - S	Semester 1
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - S	Semester 2
CAB403	Systems Programming
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
CAB302	Software Development
EGH456	Embedded Systems
Advanced Systems	l Computer & Software Option Unit
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
	Research roject z
EGH455	Advanced Systems Design
EGH455 Advanced Systems	Advanced Systems Design Computer & Software Option Unit
EGH455 Advanced Systems CAB432	Advanced Systems Design d Computer & Software Option Unit Cloud Computing

commencements Year 1 - Semester 1 Year 1 - Semester 2 Year 2 - Semester 1 Year 3 - Semester 2 Year 3 - Semester 2 Year 4 - Semester 1 Year 5 - Semester 2 Year 5 - Semester 2			
Code	e Title		
Semester	1 (February) commencements		
Year 1 - S	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - S	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	6 Engineering Computation		
Year 2 - S	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	121 Engineering Mechanics		
Year 2 - S	Semester 2		
CAB202	Microprocessors and Digital Systems		
EGB120	Foundations of Electrical Engineering		
Year 3 - S	Semester 1		
EGB240	Electronic Design		
EGB241	Electromagnetics and Machines		

Year 3 - Semester 2 EGB242 Signal Analysis Intermediate Electrical Option Unit (1) EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time . Year 4 - Semester 1 EGB340 Design and Practice Foundation Unit Option Year 4 - Semester 2 Intermediate Electrical Option Unit (2) Intermediate Electrical Option Unit (3) Year 5 - Semester 1 EGH400 **Research Project 1** _1

1		
EGH404	Research in Engineering Practice	
Advanced Electrical Option Unit (1)		

Advanced Electrical Option Unit (2)		
Year 5 - Semester 2		
EGH400 -2	Research Project 2	

Advanced Electrical Option Unit (3) Advanced Electrical Option Unit (4) Advanced Electrical Option Unit (5)

Semesters

•	Semester 1	<u>(February)</u>		
<u>commencements</u>				

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 - Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title		
Semester	1 (February) commencements		
Year 1 - S	Year 1 - Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
MXB161	Computational Explorations		
Year 1 - S	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - S	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - S	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundatio	on Unit Option		
Year 3 - 5	Semester 1		
CAB202	Microprocessors and Digital Systems		
EGB240	Electronic Design		
Year 3 - S	Semester 2		
EGB242	Signal Analysis		
Intermedi	ate Electrical Option Unit		
Year 4 - S	Semester 1		
EGB243	Aircraft Systems and Flight		
EGB349	Systems Engineering and Design Project		
Year 4 - S	Semester 2		
EGB345	Control and Dynamic Systems		
EGB346	Unmanned Aircraft Systems		
Year 5 - S	Semester 1		
EGH400 -1	Research Project 1		



EGH404	Research in Engineering Practice	
EGH446	Autonomous Systems	
Advanced Electrical Option Unit		
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH445	Modern Control	
EGH450	Advanced Unmanned Aircraft Systems	
Advanced Electrical Option Unit		

Semesters

- Semester 1 (February)
- commencements ٠
- Year 1 Semester 1 Year 1 - Semester 2 .
- Year 2 - Semester 1
- Year 2 Semester 2 •
- Year 3 Semester 1 Year 3 Semester 2 ٠
- Year 4 Semester 1 •
- Year 4 Semester 2
- •
- Year 5 Semester 1 Year 5 Semester 2 ٠

Code	Title		
Semester 1 (February) commencements			
Year 1 - Semester 1			
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 8	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - Semester 1			
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - Semester 2			
EGB120	Foundations of Electrical Engineering		
Foundatio	Foundation Unit Option		
Year 3 - 8	Semester 1		
EGB214	Materials and Manufacturing		
EGB314	Strength of Materials		
Year 3 - Semester 2			
EGB210	Fundamentals of Mechanical Design		
EGB211	Dynamics		
Year 4 - 5	Semester 1		
EGB321	Dynamics of Machines		
EGB323	Fluid Mechanics		
Year 4 - 5	Semester 2		
EGB322	Thermodynamics		

EGH404	Research in Engineering Practice	
Year 5 - Semester 1		
EGB316	Design of Machine Elements	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH421	Vibration and Control	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH420	Mechanical Systems Design	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	

Semesters

- Semester 1 (February) commencements Year 1 - Semester 1 Year 1 - Semester 2 Year 2 - Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title	
Semester	1 (February) commencements	
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - Semester 1		
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering	
Foundation Unit Option		
Year 3 - Semester 1		
EGB211	Dynamics	
EGB242	Signal Analysis	
Year 3 - Semester 2		
CAB202	Microprocessors and Digital Systems	
EGB345	Control and Dynamic Systems	
Year 4 - S	Semester 1	

EGB220 Mechatronics Design 1

Intermediate Mechanical Option Unit			
Year 4 - Semester 2			
EGB320	Mechatronics Design 2		
Intermed	Intermediate Electrical Option Unit		
Year 5 -	Year 5 - Semester 1		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH419	Mechatronics Design 3		
EGH445	Modern Control		
Year 5 - Semester 2			
EGH400 -2	Research Project 2		
Advanced Mechanical Option Unit			
EGH446	Autonomous Systems		
Advanced Electrical Option Unit			

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
 Year 4 Semester 2
- Year 5 Semester 1 •
- Year 5 Semester 2

Code	Title	
Semester	1 (February) commencements	
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR	·	
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - Semester 1		
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 8	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation Unit Option		
Year 3 - Semester 1		
EGB314	Strength of Materials	
LQB187	Human Anatomy	
LQB187 replaces LSB131 from 2021 onwards		
Year 3 - S	Semester 2	



EGB211	Dynamics	
LSB231	Physiology	
Year 4 - 5	Semester 1	
EGB214	Materials and Manufacturing	
EGB323	Fluid Mechanics	
Year 4 - 5	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGH404	Research in Engineering Practice	
Year 5 - Semester 1		
Year 5 - S	Semester 1	
Year 5 - 8 EGB319	Semester 1 BioDesign	
Year 5 - 5 EGB319 EGH400 -1	Semester 1 BioDesign Research Project 1	
Year 5 - 5 EGB319 EGH400 -1 EGH414	Semester 1 BioDesign Research Project 1 Stress Analysis	
Year 5 - 5 EGB319 EGH400 -1 EGH414 EGH418	Semester 1 BioDesign Research Project 1 Stress Analysis Biomechanics	
Year 5 - 9 EGB319 EGH400 -1 EGH414 EGH418 Year 5 - 9	Semester 1 BioDesign Research Project 1 Stress Analysis Biomechanics Semester 2	
Year 5 - 5 EGB319 EGH400 -1 EGH414 EGH414 EGH418 Year 5 - 5 EGH400 -2	Semester 1 BioDesign Research Project 1 Stress Analysis Biomechanics Semester 2 Research Project 2	
Year 5 - S EGB319 EGH400 -1 EGH414 EGH418 Year 5 - S EGH400 -2 EGH424	Semester 1 BioDesign Research Project 1 Stress Analysis Biomechanics Semester 2 Research Project 2 Biofluids	
Year 5 - S EGB319 EGH400 -1 EGH414 EGH418 Year 5 - S EGH400 -2 EGH424 EGH435	Semester 1 BioDesign Research Project 1 Stress Analysis Biomechanics Semester 2 Research Project 2 Biofluids Modelling and Simulation for Medical Engineers	

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Bachelor of Science/Bachelor of Games and Interactive Environments

Year	2021
QUT code	SE90
CRICOS	092649G
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,900 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); Associate Professor Ross Brown (Games and Interactive Environments; email: askqut@qut.edu.au; ph: +61 7 3138 2000
Discipline Coordinator	Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Aspro Jamie Trapp (Physics). +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- · English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Science program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Science component:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

Games and Interactive Environments component:

- · 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

* Unit options list - comprises a wide variety of foundation units from a range of disciplines offered at QUT. The core

option choices can be used to complement vour Maior studies.

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Science program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Science component:

- · 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

Games and Interactive Environments component:

- 6 units (72 credit points) of games and interactive environments core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

* Unit options list - comprises a wide variety of foundation units from a range of disciplines offered at QUT. The core option choices can be used to complement your Major studies.

Sample Structure Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 Year 4 Semester 2

Code	Title	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Semester 2		
Science Core Unit Option		
Science Major Unit Option		
Year 2 Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Semester 2		
BVB101	Foundations of Biology	
BVB102	Evolution	
Year 3 Semester 1		



Bachelor of Science/Bachelor of Ga nments

BVB202	Experimental Design and Quantitative Methods	
BVB301	Animal Biology	
Year 3 Semester 2		
BVB201	Biological Processes	
BVB204	Ecology	
Year 4 Semester 1		
BVB203	Plant Biology	
BVB305	Microbiology and the Environment	
Year 4 Semester 2		
BVB304	Integrative Biology	
BVB313	Population Genetics and Molecular Ecology	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 Year 4 Semester 1
- Year 4 Semester 2

Code	Title		
Year 1 Se	Year 1 Semester 1		
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
Year 1 Se	emester 2		
MXB100	Introductory Calculus and Algebra		
Science (Core Unit Option		
Year 2 Se	emester 1		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2 Semester 2			
CVB101	General Chemistry		
CVB102	Chemical Structure and Reactivity		
Year 3 Se	emester 1		
CVB201	Inorganic Chemistry		
CVB202	Analytical Chemistry		
Year 3 Se	emester 2		
CVB203	Physical Chemistry		
CVB204	Organic Structure and Mechanisms		
Year 4 Se	emester 1		
CVB301	Organic Chemistry: Strategies for Synthesis		
CVB302	Applied Physical Chemistry		
Year 4 Se	emester 2		
CVB303	Coordination Chemistry		
CVB304	Chemistry Research Project		

mes and	Interactive Environments	
Semeste • Year	rs 1 Semester 1	
• <u>Year</u>	2 Semester 1	
• Year	2 Semester 2	
 Year 	<u>3 Semester 1</u>	
• <u>Year</u>	<u>3 Semester 2</u>	
• <u>Year</u>	4 Semester 2	
<u> </u>		
Code	Title	
Year 1 Se	emester 1	
SEB104	Grand Challenges in Science	
SEB113 Quantitative Methods in Science		
Year 1 Semester 2		
Science Core Unit Option		
Science Major Unit Option		
Year 2 Semester 1		
SEB115	Experimental Science 1	
SEB116	SEB116 Experimental Science 2	
Year 2 Semester 2		
ERB101	Earth Systems	

ERB101	Earth Systems	
ERB102	Evolving Earth	
Year 3 Se	emester 1	
ERB201	Destructive Earth: Natural Hazards	
ERB202	Marine Geoscience	
Year 3 Se	emester 2	
ERB203	Sedimentary Geology and Stratigraphy	
ERB204	Deforming Earth: Fundamentals of Structural Geology	
Year 4 Se	emester 1	
ERB301	Chemical Earth	
ERB302	Applied Geophysics	
Year 4 Se	emester 2	
ERB303	Energy Resources and Basin Analysis	
EDD204	Dynamic Earth: Plate	

Semesters

ERB304

Year 1 Semester 1

Tectonics

- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 Year 4 Semester 1 •
- Year 4 Semester 2

Code	Title	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Semester 2		
Science Core Unit Option		

Science Major Unit Option		
Year 2 Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Semester 2		
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Year 3 Semester 1		
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3 Semester 2		
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4 Semester 1		
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4 Se	emester 2	
ERB310	Groundwater Systems	

Semesters

EVB304

• Year 1 Semester 1

Case Studies in

Environmental Science

- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 Year 4 Semester 2
- Code Title Year 1 Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in

SEBIIS	Science	
Year 1 Semester 2		
MXB100	Introductory Calculus and Algebra	
Science Core Unit Option		
Year 2 Semester 1		
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Semester 2		
PVB102	Physics of the Very Small	
PVB101	Physics of the Very Large	
Year 3 Semester 1		
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
Year 3 Semester 2		
PVB200	Computational and	

the university for the real world

Bachelor of Science/Bachelor of Games and Interactive Environments

	Mathematical Physics	
PVB204	Electromagnetism	
Year 4 Semester 1		
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4 Semester 2		
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 •
- Year 4, Semester 1 ٠
- ٠ Year 4, Semester 2

Code	Title	
Year 1, S	emester 1	
IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
Year 1, S	emester 2	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
Year 2, S	emester 1	
IGB100	Game Studio 1: Mini-Game Development	
BGIE Cor	re Unit Option	
Year 2, S	emester 2	
KNB127	CGI Foundations	
KNB135	Animation Aesthetics	
Year 3, Semester 1		
KNB137	Digital Worlds	
BGIE Cor	re Unit Option	
Year 3, S	emester 2	
IGB200	Game Studio 2: Applied Game Development	
KNB136	Visual Storytelling: Production Design	
[KNB227 replaced by KNB136 from 2021]		
Year 4, S	emester 1	
IFB398	Capstone Project (Phase 1)	
[IGB300 replaced by IFB398 from 2021]		
KNB217	Digital Creatures	
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.		

IFB399 Capstone Project (Phase 2) [IGB301 replaced by IFB399 from 2021] Game Studio 3: Game IGB400 Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semesters

- Year 1, Semester 1
 Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 .
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2

Code	Title	
Year 1, S	emester 1	
IGB180	Computer Games Studies	
IGB181	Game Production and Technology	
Year 1, S	emester 2	
IFB103	IT Systems Design	
IFB104	Building IT Systems	
Year 2, S	emester 1	
IGB100	Game Studio 1: Mini-Game Development	
BGIE Co	e Unit Option	
Year 2, S	emester 2	
IGB220	Fundamentals of Game Design	
DXB205	Interactive Narrative Design	
Year 3, Semester 1		
DXB211	Creative Coding	
BGIE Co	e Unit Option	
Year 3, Semester 2		
IGB200	Game Studio 2: Applied Game Development	
IGB321	Immersive Game Level Design	
Year 4, S	emester 1	
IFB398	Capstone Project (Phase 1)	
[IGB300 I	replaced by IFB398 from 2021]	
IGB388	Design and Development of Immersive Environments	
[IGB320 replaced by IGB388 from 2021]		
Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.		
Year 4, Semester 2		
IFB399	Capstone Project (Phase 2)	

[IGB301 replaced by IFB399 from 2021]

Game Studio 3: Game IGB400 Innovation

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Semesters

- Year 1, Semester 1
 Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

	Code Title	
	Year 1, Semester 1	
	IGB180 Computer Games Studies	
	IGB181 Game Production and Technology	
	Year 1, Semester 2	
	IFB103 IT Systems Design	
	IFB104 Building IT Systems	
	Year 2, Semester 1	
;	IGB100 Game Studio 1: Mini-Game Development	
	BGIE Core Unit Option	
	Year 2, Semester 2	
	CAB201 Programming Principles	
n	IGB283 Game Engine Theory and Application	
	Year 3, Semester 1	
	CAB301 Algorithms and Complexity	
	BGIE Core Unit Option	
	Year 3, Semester 2	
	IGB200 Game Studio 2: Applied Game Development	
	IGB381 Game Engine Technology	
	Year 4, Semester 1	
	IFB398 Capstone Project (Phase 1)	
)	[IGB300 replaced by IFB398 from 2021]	
21]	IGB383 AI for Games	
of 21] n /ou t	Note: if you have completed IFB398 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.	
an	Year 4, Semester 2	
	IFB399 Capstone Project (Phase 2)	
	[IGB301 replaced by IFB399 from 2021]	
)	IGB400 Game Studio 3: Game Innovation	
fo	the university	

Note: if you have completed IFB399 in your previous studies e.g. IN01 BIT, you will need to enrol in an alternative unit code. Please contact the faculty for assistance in updating your Study Plan accordingly and to inform the Coordinator.

Year	2021
QUT code	ID33
CRICOS	103861J
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$8,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,000 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Data Science program and 336 credit points for the Bachelor of Laws (Honours) program. You will study data science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the data science component, students will complete 192 credit points (16 units) consisting of :

- 14 core units (168 credit point)
 2 data science elective units (24
- credit points)

Under the law component, you will complete 336 credit points of core units and a mixture of law electives made up of:

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students may select a general law elective in place of the introductory law elective

**Students have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Data Science program and 336 credit points for the Bachelor of Laws (Honours) program. You will study data science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the data science component, students will complete 192 credit points (16 units) consisting of :

- 14 core units (168 credit point)
- 2 data science elective units (24 credit points)

Under the law component, you will complete 336 credit points of core units and a mixture of law electives made up of:

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students may select a general law elective in place of the introductory law elective

**Students have the option to complete the Law, Technology and Innovation



Year 2, Semester 2

minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points)
- two 12-credit point Advanced Law Electives

Sample Structure

Semesters

- February commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- Year 5, Semester 2
- Year 6, Semester 1
- Law information

Code Title February commencements

Year 1, Semester 1		
IFB104	Building IT Systems	
Select either MXB100 or MXB105		
MXB100	Introductory Calculus and Algebra	
MXB105	Calculus and Differential Equations	
LLB101	Introduction to Law	
LLB102	Torts	
Year 1, S	emester 2	
IFB105	Database Management	
MXB107	Introduction to Statistical Modelling	
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
Year 2, Semester 1		
MXB101	Probability and Stochastic Modelling 1	
MXB262	Visualising Data	
LLB103	Dispute Resolution	
LLB104	Contemporary Law and Justice	

CAB201	Programming Principles	
DSB100	Fundamentals of Data Science	
LLH201	Legal Research	
Introducto	Introductory Law Elective unit or General	
Law Elect	tive unit	
Year 3, S	emester 1	
CAB301	Algorithms and Complexity	
MXB242	Regression and Design	
LLB202	Contract Law	
LLB203	Constitutional Law	
Year 3, S	emester 2	
IAB206	Modern Data Management	
Select eit	her CAB330 or IAB303	
CAB330	Data and Web Analytics	
IAB303	Data Analytics for Business Insight	
LLB204	Commercial and Personal Property Law	
LLB205	Equity and Trusts	
Year 4, S	emester 1	
CAB420	Machine Learning	
MXB344	Generalised Linear Models	
General L	aw Elective*	
LLB301	Real Property Law	
Year 4, S	emester 2	
Year 4, S DSB300	emester 2 Data Science Capstone Project	
Year 4, S DSB300 MXB362	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science	
Year 4, S DSB300 MXB362 LLH206	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law	
Year 4, S DSB300 MXB362 LLH206 LLB303	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence	
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1	
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies	
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession	
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit*	
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Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit* aw elective or law minor unit or elective or uni-wide minor unit*	
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit* aw elective or law minor unit or elective or uni-wide minor unit*	
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLB306	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or effective or uni-wide minor unit* aw elective or law minor unit or effective or uni-wide minor unit* emester 2 Corporate Law Civil Procedure	
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLB306 LLH401	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or effective or uni-wide minor unit* aw elective or law minor unit or effective or uni-wide minor unit* emester 2 Corporate Law Civil Procedure Legal Research Capstone	
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLH305 LLB306 LLH401 Year 6, S	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit* aw elective or law minor unit or elective or uni-wide minor unit* emester 2 Corporate Law Civil Procedure Legal Research Capstone emester 1	
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLB306 LLH401 Year 6, S Advanced	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit* aw elective or law minor unit or elective or uni-wide minor unit* emester 2 Corporate Law Civil Procedure Legal Research Capstone emester 1 d law elective	
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLH305 LLB306 LLH401 Year 6, S Advanced	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit* aw elective or law minor unit or elective or uni-wide minor unit* emester 2 Corporate Law Civil Procedure Legal Research Capstone emester 1 d law elective d law elective	
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLH305 LLB306 LLH401 Year 6, S Advanceo General la non law e	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or lective or uni-wide minor unit* aw elective or law minor unit or lective or uni-wide minor unit* emester 2 Corporate Law Civil Procedure Legal Research Capstone emester 1 d law elective d law elective aw elective or law minor unit or lective or uni-wide minor unit or lective or uni-wide minor unit or	
Year 4, S DSB300 MXB362 LLH206 LLB303 Year 5, S LLB304 LLH302 General la non law e General la non law e Year 5, S LLH305 LLH305 LLH305 LLH401 Year 6, S Advanced General la non law e General la non law e General la	emester 2 Data Science Capstone Project Advanced Visualisation and Data Science Administrative Law Evidence emester 1 Commercial Remedies Ethics and the Legal Profession aw elective or law minor unit or elective or uni-wide minor unit* aw elective or law minor unit or elective or uni-wide minor unit* Corporate Law Civil Procedure Legal Research Capstone emester 1 d law elective aw elective or law minor unit or elective or uni-wide minor unit or	

*Students may wish to study the Law, Innovation and Technology minor or a uni-wide minor or up to 48 credit points

• <u>Yea</u>	<u>r 1, Semester 1</u>	
• <u>Year 2, Semester 2</u>		
 Year 2, Semester 1 Year 3, Semester 2 		
• Year 3, Semester 1		
Year 4, Semester 2		
• Year 4, Semester 1		
• Yea	r 5. Semester 1	
• Year	r 6, Semester 2	
• <u>Law</u>	information	
Code	Title	
July comr	nencement	
Year 1, S	emester 2,	
IFB104	Building IT Systems	
Select MX	(B100 or MXB105	
	Introductory Calculus and	
MXB100	Algebra	
MXR105	Calculus and Differential	
WIND 100	Equations	
LLB101	Introduction to Law	
LLB102	Torts	
Year 1, S	emester 1	
MXB101	Probability and Stochastic Modelling 1	
IFB105	Database Management	
LLB103	Dispute Resolution	
LI B104	Contemporary Law and	
	Justice	
Year 2, S	emester 2	
CAB201	Programming Principles	
MXB107	Introduction to Statistical Modelling	
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
Year 2, <u>S</u>	emester 1	
MXB242	Regression and Design	
MXB262	Visualising Data	
LLH201	Legal Research	
LLB202	Contract Law	
Year 3. Semester 2		
	Fundamentals of Data	
DSB100	Science	
IAB206	Modern Data Management	
Introducto elective	ory law elective or general law	
LLB204	Commercial and Personal Property Law	
Yea <u>r</u> 3, <u>S</u>	emester 1	
CAB301	Algorithms and Complexity	
CAB420	Machine Learning	

of non-law electives in place of their

general law electives.

• July commencement

• Year 1, Semester 2,

Semesters



Constitutional Law

LLB203

General la	General law elective		
Year 4, S	emester 2		
Select CA	AB330 or IAB303		
CAB330	Data and Web Analytics		
IAB303	Data Analytics for Business Insight		
MXB362	Advanced Visualisation and Data Science		
LLB205	Equity and Trusts		
LLH206	Administrative Law		
Year 4, S	emester 1		
DSB300	Data Science Capstone Project		
MXB344	Generalised Linear Models		
LLB301	Real Property Law		
General la non-law e	aw elective or law minor unit or elective or uni-wide minor unit*		
Year 5, S	emester 2		
LLB303	Evidence		
LLH305	Corporate Law		
LLB306	Civil Procedure		
General la non-law e	aw elective or law minor unit or elective or uni-wide minor unit*		
Year 5, S	emester 1		
LLH302	Ethics and the Legal Profession		
LLB304	Commercial Remedies		
General law elective or law minor unit or non-law elective or uni-wide minor unit*			
General law elective or law minor unit or non-law elective or uni-wide minor unit*			
Year 6, S	emester 2		
LLH401	Legal Research Capstone		
Advanced	law elective		
Advanced law elective			
Law infor	mation		
*Students may wish to study the Law, Innovation and Technology minor or a uni-wide minor or up to 48 credit points of non-law electives as part of their general law electives.			

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

General I	_aw Electives List
Code	Title
LLB241	Discrimination and Equal Opportunity Law
LLB242	Media Law
LLB243	Family Law
LLB244	Criminal Law Sentencing
LLB245	Sports Law
LLB247	Animal Law
LLB248	COVID-19 and the Law
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB340	Banking and Finance Law
LLB341	Artificial Intelligence, Robots and the Law
LLB342	Immigration and Refugee Law
LLB344	Intellectual Property Law
LLB345	Regulating the Internet
LLB346	Succession Law
LLB347	Taxation Law
LLB349	Japanese Law
LLB350	The Law and Ethics of War
LLB440	Environmental Law
LLB443	Mining and Resources Law
LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A
LLB461	Competition Moots B
LLB463	Community Justice Project
LLB464	International Legal Placement
LLB465	Startup Law Clinic
LLB466	Small Business Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Advanced Law Electives		
Code	Title	
Select 24 credit points of Advanced Law Electives (2 x 12 cp units or 1 x 12 cp unit)		
LLH470	Commercial Contracts in Practice	
LLH471	Health Law and Practice	
LLH472	Public International Law	
LLH473	Independent Research Project	
LLH474	Insolvency Law	
LLH475	Theories of Law	
LLH476	Competition Law	
LLH477	Innovation and Intellectual Property Law	
LLH478	Advanced Criminal Law - Principles and Practice	
LLH479	Research Thesis Extension	
LLH480	Consumer Law in a Digital Age	
LLH481	Private International Law	



Bachelor of Information Technology (Honours)

Year	2021
QUT code	IN10
CRICOS	017323G
Duration (full-time)	1 year
Duration (part-time domestic)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,700 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Kanika Goel
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree in information technology or relevant discipline with a minimum grade point average of 5.00 (on QUT's 7-point scale), completed within the last 5 years, *plus:*

- Suitable honours topic
- Proposed honours supervisor

Places are subject to supervisor availability.

International Entry requirements

A recognised bachelor degree in information technology or equivalent with a minimum grade point average of 5.00 (on QUT's 7-point scale), completed within the last 5 years; *plus:*

- Suitable honours topic
- Proposed honours supervisor

Places are subject to supervisor availability.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

The Bachelor of Information Technology (Honours) allows you to further develop specific areas of expertise in information technology and related discipline areas and is a pathway into research higher degree study. You will develop high level skills in a specific discipline area and acquire research skills appropriate to your discipline. You will apply analystic processes involving abstraction and modelling to solve complex problems and / or develop new opportunities through the use of information technology and will apply a deep understanding of the discipline to accurately assess its impact on individuals, organisations and society. You will receive individual supervision from an experienced researcher to complete a project. This project allows you to demonstrate your advanced academic capability and culminates in the completion of an honours thesis.

Course Design

Requirements for the completion of IN10 Bachelor of Information Technology (Honours) are as follows:

CORE: Foundations of Research unit and Reviewing the Field unit

OPTION: A choice of either the *Expanded Research* Strand or the *Extended Coursework* Strand

Each strand comprises of coursework and a major research project supervised by QUT staff.

Career Outcomes

Information technology is an integral part of all commercial, industrial, government, social and personal activities. Graduates from the honours program have the opportunity to achieve the highest levels of their profession. Career opportunities include roles such as web developer, database manager, network administrator, electronic commerce developer, data communications specialist, software engineer, systems programmer, computer scientist, systems analyst or programmer. Additionally, graduates may evolve into domain experts working as chief technology officers, chief information officers, managers, executives, business analysts and entrepreneurs. Graduates of this degree may go into academic and research careers.

Professional Recognition

Graduates of the Bachelor of Information Technology (Honours) meet the knowledge requirement for admission to the Australian Computer Society (ACS).

Pathways to Further Study

The QUT Bachelor of Information Technology (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible to apply to the Doctor of Philosophy within the Science and Engineering Faculty.

Domestic Course structure

You'll need to choose between either the expanded research or extended coursework options.

International Course structure

You'll need to choose between either the expanded research or extended coursework options.



Sample Structure

The Bachelor of Information Technology (Honours) is a one year full-time degree comprising of 96 credit points.

72 credit points Core research units (6 units)

24 credit points Coursework units (2 units)

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
 IN10 Coursework Options List

Code	Title	
Year 1, S	emester 1	
INN700	Introduction to Research	
Students superviso	must have secured a prior to enrolment.	
INN701	Advanced Research Topics	
IFN403-	IT Honours Research Proiect-	
1	1	
Coursework Option from List (12cp)		
Year 1, S	emester 2	
IFN403- 2	IT Honours Research Project- 2	
IFN403- 3	IT Honours Research Project- 3	
IFN403- 4	IT Honours Research Project- 4	
Coursewo	ork Option from List (12cp)	
IN10 Cou	rsework Options List	
Select 24	credit points from the	
Coursewo	ork Options List	
CAB401	High Performance and Parallel Computing	
CAB402	Programming Paradigms	
CAB403	Systems Programming	
CAB420	Machine Learning	
CAB430	Data and Information Integration	
CAB431	Search Engine Technology	
CAB432	Cloud Computing	
CAB440	Network and Systems Administration	
CAB441	Network Security	
IAB401	Enterprise Architecture	
IAB402	Information Systems Consulting	
IAB352	Enterprise Systems Management	
IFN515	Fundamentals of Business Process Management	
IFN619	Data Analytics for Strategic Decision Makers	
IFN621	Information Science: What & Why?	

IFN623	Human Information Interaction	
IFN644	Network Operations and Security	
IFN645	Large Scale Data Mining	
IFN652	Enterprise Business Process Management	
IFN657	Principles of Software Security	
IFN662	Enterprise Systems and Applications	
IFN666	Web and Mobile Application Development	
IFN667	Enterprise IoT Systems	
IFN680	Artificial Intelligence and Machine Learning	
IFN690	Advanced User Centred Design	
IGB321	Immersive Game Level Design	
IGB383	Al for Games	
SEB410	Advanced Topic 1	
SEB411	Advanced Topic 2	
PLEASE NOTE:		
The following units which have been discontinued will count as coursework options if completed:		
IFN643 Computer System Security (disc 31/12/2019)		
IFN641 Advanced Networks Management (disc 31/12/2019)		
IFN660 Programming Language Theory (disc 31/12/2019)		
IFN661 Mobile and Pervasive Systems (disc 31/12/2019)		



Year	2021
QUT code	IX80
CRICOS	083029M
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,200 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Graham Johnson (Science); email: askqut@qut.edu.au; Law: Director of Undergraduate Programs; email: law_enquiries@qut.edu.a u
Discipline Coordinator	Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); and Dr Konstantin Momot (Physics); Law: Director of Undergraduate Programs Science: +61 7 3138 2000; Law: +61 7 3138 2000; Law: +61 7 3138 2707 Science: askqut@qut.edu.au; Law: law_enquiries@qut.edu.a u

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Course Structure Information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the Australian Higher Education Graduation Statement.

Total Law credit points: 336 Total credit points for core units: 240 Total credit points for elective units: 96 Honours Level Units

96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons): LLH201 Legal Research, LLH206 Administrative Law, LLH302 Ethics and the Legal Profession, LLH305 Corporate Law, LLH401 Legal Research Capstone (24 cps) and two Advanced Electives in law.

Professional Recognition

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.

Graduates will satisfy the requirements for membership in the relevant professional body for their science major.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

As a graduate, you may enter legal practice with an education in both the content and process of science and data analysis that will enable you to deal with the complexities of litigation that have a scientific and technological dimension, such as inventions, trade secrets, quantitative evidence, and constitutional disputes giving rise to environmental issues. On the other hand, you may choose to follow a career path in the sciences, enhancing your opportunities in a particular discipline such as environmental science or biotechnology through your knowledge of the law.

You will graduate with specialised knowledge of cutting-edge technologies and extensive practical experience using the latest techniques. You have a broad range of options to choose from and the flexibility to create your own personal science degree program.



In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations.

Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Non-standard attendance

Field work is a requirement in some areas of science.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at deferment

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the <u>Bachelor of Science</u> (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12
- credit points)
 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may

select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the <u>Bachelor of Science</u>.(ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
 1 introductory law elective* (12
- credit points)
 5 general law electives** (60 credit
- 5 general law electives (60 credit points)
 2 advensed law electives (24 and it
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of

the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

Sample Structure

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2
- Year 6 Semester 1
- Law Elective Information*

Code	Title	
Year 1 Semester 1		
LLB101	Introduction to Law	
LLB102	Torts	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 1 Semester 2		
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
Science Core Unit Option		

This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX80&id=37220. CRICOS No.00213J

Science Major Option Unit (for Biology, Earth Science, Environmental Science) or MXB100 (Chemistry and Physics) From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal **Problems and Communication** Year 2 Semester 1 LLB103 **Dispute Resolution** Contemporary Law and LLB104 Justice SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Year 2 Semester 2 LLH201 Legal Research Introductory Law Elective unit or General Law elective unit Science Maior Unit Science Major Unit Year 3 Semester 1 LLB202 Contract Law LLB203 Constitutional Law Science Major Unit Science Major Unit Year 3 Semester 2 Commercial and Personal LLB204 Property Law LLB205 Equity and Trusts Science Major Unit Science Major Unit Year 4 Semester 1 LLB301 Real Property Law General Law Elective unit* Science Major Unit Science Major Unit Year 4 Semester 2 LLB303 Evidence LLH206 Administrative Law Science Major Unit Science Major Unit Year 5 Semester 1 Ethics and the Legal LLH302 Profession LLB304 **Commercial Remedies** General Law Elective or Non-law Elective or Minor Unit* General Law Elective or Non-law Elective or Minor Unit* Year 5 Semester 2 LLB306 **Civil Procedure** LLH305 Corporate Law General Law Elective or Non-law Elective or Minor Unit* General Law Elective or Non-law Elective or Minor Unit* Year 6 Semester 1

	•
Advanced	Law Elective unit
Advanced	Law Elective unit
Law Elect	tive Information*
Law stude law electiv in place o	ents may complete up to 4 non- ves or a university wide minor f 4 of general law electives.
From 201 Innovatior place of 4 they have	9 students may select the Law, n and Technology Minor in general law electives provided e enough units to do so
Somosto	re.
• Year	1. Semester 2
• Year	2, Semester 1
• <u>Year</u>	<u>2, Semester 2</u>
• <u>Year</u>	3. Semester 2
• Year	4, Semester 1
• <u>Year</u>	<u>4, Semester 2</u>
• <u>Year</u> • Year	5. Semester 2
 Year 	6, Semester 1
• <u>Year</u>	<u>6, Semester 2</u>
Code	Title
Year 1, S	emester 2
LLB101	Introduction to Law
LLB102	Torts
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in
	Science
Year 2, S	Science emester 1
Year 2, S LLB103	Science emester 1 Dispute Resolution
Year 2, So LLB103 LLB104	Science emester 1 Dispute Resolution Contemporary Law and Justice
Year 2, So LLB103 LLB104 SEB115	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1
Year 2, S LLB103 LLB104 SEB115 SEB116	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2
Year 2, So LLB103 LLB104 SEB115 SEB116 Year 2, So LLB106	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory
Year 2, So LLB103 LLB104 SEB115 SEB116 Year 2, So LLB106 LLB107 From 201 Interpreta	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal card Communication
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science N	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Major Unit
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science M Science M	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Major Unit Major Unit
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science M Science M Year 3, S	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Major Unit Major Unit emester 1
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science M Science M Year 3, S LLB202	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Major Unit Major Unit emester 1 Contract Law
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science M Science M Year 3, S LLB202 LLH201	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Major Unit Contract Law Legal Research
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science M Science M Year 3, S LLB202 LLH201 Science M	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Major Unit Emester 1 Contract Law Legal Research Aajor Unit A
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science N Science N Year 3, S LLB202 LLH201 Science N Science N	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Aajor Unit Aajor Unit
Year 2, Se LLB103 LLB104 SEB115 SEB116 Year 2, Se LLB106 LLB107 From 201 Interpreta Problems Science M Science M Year 3, Se LLB202 LLH201 Science M Science M Science M	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Communication Communication Dispute Di
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science N Science N Year 3, S LLB202 LLH201 Science N Year 3, S LLB204	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Major Unit Commercial and Personal Property Law
Year 2, Seller LLB103 LLB104 SEB115 SEB116 Year 2, Seller SEB116 LLB107 From 201 Interpreta Problems Science N Science N Year 3, Seller Science N Year 3, Seller LLB204 Introductor LLB204	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Major Unit Major Unit Legal Research Contract Law Legal Research Major Unit Major Unit Emester 2 Commercial and Personal Property Law ory Law Elective unit or General tive
Year 2, S LLB103 LLB104 SEB115 SEB116 Year 2, S LLB106 LLB107 From 201 Interpreta Problems Science N Science N Year 3, S LLB202 LLH201 Science N Year 3, S LLB204 Introducto Law Elect Science N	Science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Legal Research Aajor Unit Commercial and Personal Property Law ory Law Elective unit or General tive Aajor Unit
Year 2, Se LLB103 LLB104 SEB115 SEB116 Year 2, Se LLB106 LLB107 From 201 Interpreta Problems Science M Science M Science M Science M Science M Year 3, Se LLB204 Introducto Law Elect Science M Science M	science emester 1 Dispute Resolution Contemporary Law and Justice Experimental Science 1 Experimental Science 2 emester 2 Criminal Law Statutory Interpretation 9, LLB107 Statutory tion replaces LLB105 Legal and Communication Aajor Unit Aajor Unit Contract Law Legal Research Aajor Unit Aajor Unit Aajor Unit Commercial and Personal Property Law ory Law Elective unit or General tive Aajor Unit Aajor Unit

Year 4, Ser	nester 1
LLB203 C	Constitutional Law
General La	w Elective unit
Science Ma	ior Unit
Science Ma	ior Unit
Year 4, Ser	nester 2
11 B205 E	quity and Trusts
	dministrative Law
Science Ma	ior I Init
Science Ma	
Voor 5 Sor	nostor 1
	Real Preparty Law
	v Elective or Nep low
Flective or	Minor Unit*
Science Ma	
Science Ma	ijor Unit (Canstona)
LLB303 E	
LLB306 C	
LLH305 C	
General La	w Elective or Non-law
Elective of	
LLB304 C	
LLH302 P	thics and the Legal Profession
General Lav Elective or	<i>w</i> Elective or Non-law Minor Unit*
General Lav Elective or	<i>w</i> Elective or Non-law Minor Unit*
Year 6, Ser	nester 2
LLH401 L	egal Research Capstone
Advanced L	aw Elective unit
Advanced I	aw Elective unit
*Law Electiv	
Law studen	ts may complete up to 4 non-
law elective	s or a university wide minor
in place of 4	l general law electives
From 2019	students may select the Law,
Innovation a	and Technology Minor in
place of 4 g	eneral law electives provided
they have e	
Somostore	
Year 1	Semester 1
 Year 1 	Semester 2
• <u>Year 2</u>	<u>Semester 1</u>
• <u>rear 2</u> • Year 3	Semester 1
Year 3	Semester 2
• <u>Year 4</u>	Semester 1
• <u>Year 4</u>	Semester 2
Code T	itle
Year 1 Sem	nester 1

 SEB115
 Experimental Science 1

 SEB116
 Experimental Science 2

 Year 1 Semester 2

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Science Core Unit Option		
Science Major Unit Option		
Year 2 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2 Se	emester 2	
BVB101	Foundations of Biology	
BVB102	Evolution	
Year 3 Se	emester 1	
BVB202	Experimental Design and Quantitative Methods	
BVB301	Animal Biology	
Year 3 Se	emester 2	
BVB201	Biological Processes	
BVB204	Ecology	
Year 4 Se	emester 1	
BVB203	Plant Biology	
BVB305	Microbiology and the Environment	
Year 4 Se	emester 2	
BVB304	Integrative Biology	
BVB313	Population Genetics and Molecular Ecology	

Semesters

- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1 ٠
- ٠ Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1

Title Code

Year 1 Semester 2			
SEB104	Grand Challenges in Science		
SEB113	Quantitative Methods in Science		
Year 2 Se	emester 1		
SEB115	Experimental Science 1		
SEB116	Experimental Science 2		
Year 2 Se	emester 2		
BVB101	Foundations of Biology		
BVB102	Evolution		
Year 3 Semester 1			
BVB301	Animal Biology		
BVB202	Experimental Design and Quantitative Methods		
Year 3 Se	emester 2		
BVB201	Biological Processes		
BVB204	Ecology		
Year 4 Se	Year 4 Semester 1		
BVB203	Plant Biology		
BVB305	Microbiology and the Environment		

BVB313	Population Genetics and	
BV/B304	Integrative Biology	
Year 5 Se	mester 1	
Science (Soro Option	
Maian On		
Major Op	tion	
Semesters • Year 1 Semester 1 • Year 1 Semester 2 • Year 2 Semester 1 • Year 2 Semester 2 • Year 3 Semester 1 • Year 4 Semester 1 • Year 4 Semester 2		
Codo	Title	
Voor 4 G		
Year 1 Se		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
MXB100	Introductory Calculus and Algebra	
Science (Core Unit Option	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
Year 3 Se	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
Year 3 Se	emester 2	
CVB203	Physical Chemistry	
CVB204	Organic Structure and Mechanisms	
Year 4 Se	emester 1	
CVB301	Organic Chemistry: Strategies for Synthesis	
CVB302	Applied Physical Chemistry	
Year 4 Se	emester 2	
CVB303	Coordination Chemistry	
CVB304	Chemistry Research Project	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
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Semesters

Year 1, Semester 2
Year 2, Semester 1
Year 2, Semester 2
• Year 3, Semester 1
 Vear 3 Semester 2

- <u>rear 3, Semester 2</u>
- Year 4, Semester 1
- Year 4, Semester 2

• Year 5, Semester 1

Code	Title	
Year 1, Semester 2		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2, S	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, S	emester 2	
CVB101	General Chemistry	
CVB102	Chemical Structure and Reactivity	
Year 3, S	emester 1	
CVB201	Inorganic Chemistry	
CVB202	Analytical Chemistry	
Year 3, S	emester 2	
CVB203	Physical Chemistry	
CVB204	Organic Structure and Mechanisms	
Year 4, S	emester 1	
CVB301	Organic Chemistry: Strategies for Synthesis	
CVB302	Applied Physical Chemistry	
Year 4, Semester 2		
CVB303	Coordination Chemistry	
MXB100	Introductory Calculus and Algebra	
Year 5, S	emester 1	
CVB304	Chemistry Research Project	
Science (Core Option	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 Year 4 Semester 2 •

		Code	Title
		Year 1 Se	emester 1
gies		SEB104	Grand Challenges in Science
/		SEB113	Quantitative Methods in Science
		Year 1 Se	emester 2
		Science (Core Unit Option
ct		Science M	Major Unit Option
		Year 2 Se	emester 1
		SEB115	Experimental Science 1
		SEB116	Experimental Science 2
		Year 2 Se	emester 2
		ERB101	Earth Systems
		ERB102	Evolving Earth
		Year 3 Se	emester 1
	t	he u	niversity
fo	r	the re	eal world

Bachelor of Science/Bachelor of Laws (Honours) Destructive Earth: Natural Major Option ERB201 Hazards ERB202 Marine Geoscience Year 3 Semester 2 Sedimentary Geology and **ERB203** Stratigraphy Deforming Earth: ERB204 Fundamentals of Structural

Year 4 Semester 1		
ERB301	Chemical Earth	
ERB302	Applied Geophysics	
Year 4 Semester 2		
ERB303	Energy Resources and Basin Analysis	
ERB304	Dynamic Earth: Plate Tectonics	

Geology

Semesters

- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
 Year 3 Semester 1
- Year 3 Semester 2 •
- Year 4 Semester 1 Year 4 Semester 2
- Year 5 Semester 1 ٠

Code	Title	
Year 1 Semester 2		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
ERB101	Earth Systems	
ERB102	Evolving Earth	
Year 3 Se	emester 1	
ERB201	Destructive Earth: Natural Hazards	
ERB202	Marine Geoscience	
Year 3 Se	emester 2	
ERB203	Sedimentary Geology and Stratigraphy	
ERB204	Deforming Earth: Fundamentals of Structural Geology	
Year 4 Se	emester 1	
ERB301	Chemical Earth	
ERB302	Applied Geophysics	
Year 4 Se	emester 2	
ERB303	Energy Resources and Basin Analysis	
ERB304	Dynamic Earth: Plate Tectonics	
Year 5 Se	emester 1	

Science Core Option

Semesters • Year 1 Semester 1		
Year 1 Semester 2		
Year 2 Semester 1		
• <u>Yea</u>	<u>r 2 Semester 2</u>	
• <u>Yea</u>	r <u>3 Semester 1</u>	
• <u>Yea</u>	r <u>3 Semester 2</u>	
• <u>Yea</u>	r <u>4 Semester 1</u>	
• <u>rea</u>	<u>r 4 Semester 2</u>	
Code	Title	
Year 1 Se	emester 1	
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in	
	Science	
Year 1 Se	emester 2	
Science (Core Unit Option	
Science N	Major Unit Option	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	
ERB101	Earth Systems	
EVB102	Ecosystems and the	
Vear 3 Se	emester 1	
BVB202	Quantitative Methods	
EVB203	Geospatial Information	
	Science	
Year 3 Se	emester 2	
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4 Se	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4 Se	emester 2	
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	

Semesters

- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1

Code	Title	
Year 1 Semester 2		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2 Semester 1		
SEB115	Experimental Science 1	

SEB116	Experimental Science 2	
Year 2 Semester 2		
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Year 3 Semester 1		
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Year 3 Semester 2		
BVB204	Ecology	
EVB302	Environmental Pollution	
Year 4 Se	emester 1	
BVB311	Conservation Biology	
EVB312	Soils and the Environment	
Year 4 Semester 2		
ERB310	Groundwater Systems	
EVB304	Case Studies in Environmental Science	
Year 5 Semester 1		
Science Core Option		
Maior Option		

Semesters

- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	litle	
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Se	emester 2	
MXB100	Introductory Calculus and Algebra	
Science Core Unit Option		
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2 Semester 2		
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	
Year 3 Se	emester 1	
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
Year 3 Semester 2		
PVB200	Computational and	

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	Mathematical Physics	
PVB204	Electromagnetism	
Year 4 Semester 1		
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4 Semester 2		
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	

Semesters

- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1 ٠
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 2

Code	Title	
Year 1 Semester 2		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 2 Se	emester 1	
SEB115	Experimental Science 1	
MXB100	Introductory Calculus and Algebra	
Year 2 Se	emester 2	
PVB101	Physics of the Very Large	
PVB102	Physics of the Very Small	
Year 3 Se	emester 1	
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
Year 3 Se	emester 2	
PVB200	Computational and Mathematical Physics	
PVB204	Electromagnetism	
Year 4 Se	emester 1	
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4 Se	emester 2	
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	
Year 5 Se	emester 2	
SEB116	Experimental Science 2	
Science Core Option		

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You

can check this by referring to the unit outlines on QUT Virtual.

Introductory Law Electives		
Code	Title	
LLB140	Human Rights Law	
LLB141	Introduction to International Law	
LLB142	Regulation of Business	

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW Real Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

General Law Electives List		
Code	Title	
LLB241	Discrimination and Equal Opportunity Law	
LLB242	Media Law	
LLB243	Family Law	
LLB244	Criminal Law Sentencing	
LLB245	Sports Law	
LLB247	Animal Law	
LLB248	COVID-19 and the Law	
LLB250	Law, Privacy and Data Ethics	
LLB251	Law and Design Thinking	
LLB252	Legal Tech	
LLB340	Banking and Finance Law	
LLB341	Artificial Intelligence, Robots and the Law	
LLB342	Immigration and Refugee Law	
LLB344	Intellectual Property Law	
LLB345	Regulating the Internet	
LLB346	Succession Law	
LLB347	Taxation Law	
LLB349	Japanese Law	
LLB350	The Law and Ethics of War	
LLB440	Environmental Law	
LLB443	Mining and Resources Law	
LLB444	Real Estate Transactions	
LLB447	International Arbitration	
LLB460	Competition Moots A	
LLB461	Competition Moots B	
LLB463	Community Justice Project	
LLB464	International Legal Placement	
LLB465	Startup Law Clinic	
LI B466	Small Business Law Clinic	

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW Real Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

Advanced Law Electives		
Code	Title	
Select 24 credit points of Advanced Law Electives (2 x 12 cp units or 1 x 12 cp unit)		
LLH470	Commercial Contracts in Practice	
LLH471	Health Law and Practice	
LLH472	Public International Law	
LLH473	Independent Research Project	
LLH474	Insolvency Law	
LLH475	Theories of Law	
LLH476	Competition Law	
LLH477	Innovation and Intellectual Property Law	
LLH478	Advanced Criminal Law - Principles and Practice	
LLH479	Research Thesis Extension	
LLH480	Consumer Law in a Digital Age	
LLH481	Private International Law	

You can complement your core law units with a minor in law, technology and innovation. Learn the skills needed to communicate and collaborate with technologists, innovators, regulators, engineers, designers and policy makers. Apply big data analytics and come up with creative solutions to address pressing social problems, and learn from experts at the forefront of artificial intelligence and technology regulation.

Law, Technology and Innovation Minor	
Code	Title
Choose four units to complete the minor	
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB341	Artificial Intelligence, Robots and the Law
LLB345	Regulating the Internet



Year	2021
QUT code	IX87
CRICOS	083025D
Duration (full-time)	5.5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,500 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,000 per year full-time (96 credit points)
Total credit points	528
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Wayne Kelly (Information Technology); email: askqut@qut.edu.au; Law: Director of Undergraduate Programs email: law_enquiries@qut.edu.a u
Discipline Coordinator	IT: Dr Wayne Kelly (Computer Science); and Dr Erwin Fielt (Information Systems); Law: Director of Undergraduate Programs IT: +61 7 3138 2000; Law: +61 7 3138 2707 IT: askqut@qut.edu.au; Law: law_enquiries@qut.edu.a

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Course structure information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

(a) 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.

(b) 120 credit points (10 units) of Major Core units

Information Technology Majors Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the Australian Higher Education Graduation Statement.

Total Law credit points: 336 Total credit points for core units: 240 Total credit points for elective units: 96

Honours Level Units 96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons): LLH201 Legal Research, LLH206 Administrative Law, LLH302 Ethics and the Legal Profession, LLH305 Corporate Law, LLH401 Legal Research Capstone (24 cps) and two Advanced Electives in law.

Professional Recognition

This course is accredited by the Australian Computer Society (ACS). ACS accreditation is internationally recognised by the Seoul Accord.

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

Graduates may develop careers in cyberlaw, intellectual property and privacy, dealing with the legal regulation of the Internet including downloading music, mobile phone camera use or copyright issues. You may become a



legal practitioner, barrister, in-house counsel, government lawyer or policy adviser. There is also increased demand for roles in edemocracy both in egovernment service delivery and political campaigning.

In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations.

Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Pathways to Further Studies

The QUT Bachelor of Information Technology is located at Level 7 of the Australian Qualifications Framework (AQF). Eligible graduates may continue their studies in this discipline with an additional honours year in (IN10) Bachelor of Information Technology (Honours).

On successful completion of the Bachelor of Laws, there are a number of further study options open to you. The Bachelor of Laws meets the entry requirements for Practical Legal Training courses (for example, the QUT Graduate Diploma in Legal Practice). In addition, successful completion of the law degree will allow you to pursue postgraduate opportunities through research- and coursework-based higher degrees in law.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at deferment

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit

points for the Bachelor of Laws program.

Requirements for the completion of the **Bachelor of Information Technology** component are as follows:

- 1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
- 2. (b) 120 credit points (10 units) of Major Core units

Information Technology Majors Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points) 1 introductory law elective* (12)
- credit points) • 5 general law electives** (60 credit points)
- · 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and
- Robotics (LLB341) Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)

- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

- 1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
- 2. (b) 120 credit points (10 units) of Major Core units

Information Technology Majors Choose your primary area of study, also known as your major, in the following specialisation areas: Information Systems or Computer Science.

Information Technology Options List The Bachelor of Information Technology Core Unit Options List comprises a range of units from which you choose to undertake two (2). The options include introductory units from a wide variety of disciplines offered at QUT.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12) credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons): • Legal Research (LLH201

- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) ٠ (24 credit points
- two 12-credit point Advanced Law Electives

Sample Structure

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 •
- ٠ Year 3, Semester 1 •
- Year 3, Semester 2 ٠
- Year 4, Semester 1 Year 4, Semester 2 ٠
- Year 5, Semester 1 •
- Year 5, Semester 2 •
- Year 6, Semester 1
- ٠ Law Elective Information

Code	Title	
Year 1, S	emester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
LLB101	Introduction to Law	
LLB102	Torts	
Year 1, Semester 2		
IFB104	Building IT Systems	
IFB105	Database Management	
LLB106	Criminal Law	
LLB107	Statutory Interpretation	
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication		
Year 2, S	emester 1	
IT Core L	Init Option	
IT Core L	Init Option	
LLB103	Dispute Resolution	
LLB104	Contemporary Law and	

Justice Vear 2 Semester 2

1 oui 2, o	
IT Major l	Jnit
IT Major l	Jnit
Introductory Law Elective unit of General Law Elective unit	
LLH201	Legal Research
Year 3, Semester 1	

IT Major Unit IT Major Unit

	iviajoi	Onic
LL	B202	Contract Law

LLB203	Constitutional Law
Year 3, S	emester 2
IT Major l	Jnit
IT Major l	Jnit
LLB204	Commercial and Personal Property Law
LLB205	Equity and Trusts
Year 4, S	emester 1
IT Major l	Jnit
IT Major l	Jnit
LLB301	Real Property Law
General L	aw Elective unit
Year 4, S	emester 2
IT Major l	Jnit
IT Major l	Jnit
LLB303	Evidence
LLH206	Administrative Law
Year 5, S	emester 1
LLB304	Commercial Remedies
LLH302	Ethics and the Legal Profession
General L	aw Elective or Non-law
Elective of	r University-wide Minor Unit
General L	aw Elective or Non-law
Elective o	r I Iniversity-wide Minor I Init
Year 5, S	emester 2
Year 5, S LLB306	emester 2 Civil Procedure
Year 5, S LLB306 LLH305	emester 2 Civil Procedure Corporate Law
Year 5, S LLB306 LLH305 General L	emester 2 Civil Procedure Corporate Law aw Elective or Non-law
Year 5, S LLB306 LLH305 General L Elective o	emester 2 Civil Procedure Corporate Law .aw Elective or Non-law or University-wide Minor Unit
Year 5, S LLB306 LLH305 General L Elective o General L Elective o	emester 2 Civil Procedure Corporate Law .aw Elective or Non-law rr University-wide Minor Unit .aw Elective or Non-law rr University-wide Minor Unit
Year 5, S LLB306 LLH305 General L Elective o General L Elective o Year 6, S	emester 2 Civil Procedure Corporate Law .aw Elective or Non-law or University-wide Minor Unit .aw Elective or Non-law or University-wide Minor Unit emester 1
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Year 5, S LLB306 LLH305 General L Elective o General L Elective o Year 6, S LLH401 Advanceo	emester 2 Civil Procedure Corporate Law .aw Elective or Non-law rr University-wide Minor Unit .aw Elective or Non-law rr University-wide Minor Unit emester 1 Legal Research Capstone
Year 5, S LLB306 LLH305 General L Elective o General L Elective o Year 6, S LLH401 Advanceo	emester 2 Civil Procedure Corporate Law .aw Elective or Non-law rr University-wide Minor Unit .aw Elective or Non-law rr University-wide Minor Unit emester 1 Legal Research Capstone I Law Elective unit
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Year 5, S LLB306 LLH305 General L Elective of General L Elective of Year 6, S LLH401 Advanceo Advanceo Law Elect Law Stud non-law e minor con the equiva electives. Semeste <u>Semeste</u> <u>Year</u> Year	emester 2 Civil Procedure Corporate Law aw Elective or Non-law or University-wide Minor Unit aw Elective or Non-law or University-wide Minor Unit emester 1 Legal Research Capstone I Law Elective unit Law Elective
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Year 5, S LLB306 LLH305 General L Elective of General L Elective of Year 6, S LLH401 Advanceo Law Elective Law Stud non-law e minor con the equiva electives. Semeste Semeste Year Year Year Year	emester 2 Civil Procedure Corporate Law .aw Elective or Non-law rr University-wide Minor Unit emester 1 Legal Research Capstone I Law Elective unit I Semester 1 (February) mencements 1, Semester 1 2, Semester 1 2, Semester 1

- Year 4, Semester 1
- Year 4, Semester 2 .
- Semester 2 (July) commencements
- . Year 1, Semester 2
- Year 2, Semester 1 •
- ٠
- Year 2, Semester 2 Year 3, Semester 1 Year 3, Semester 2

- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code	Title
Semester	1 (February) commencements
Year 1. S	emester 1
rour r, c	Introduction to Computer
IFB102	Systems
IFB103	IT Systems Design
Year 1, S	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
IT Core U	Init Option
IT Core U	Init Option
Year 2, S	emester 2
CAB201	Programming Principles
CAROOO	Microprocessors and Digital
	Systems
Year 3, S	emester 1
CAB203	Discrete Structures
CAB302	Software Development
Year 3, S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	emester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, S	emester 2
IFB399	Capstone Project (Phase 2)
Select on	e of:
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
Semester	2 (Julv) commencements
Year 1. S	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, S	emester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 2
CAB201	Programming Principles
IT Core U	Init Option
Yea <u>r 3, S</u>	emester 1
CAB202	Microprocessors and Digital Systems
CAB301	Algorithms and Complexity
Year 3 S	emester 2
CAB303	Networks
IFB295	IT Project Management



This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX87&id=37233. CRICOS No.00213J

Analysis

Year 4, Semester 1

CAB203	Discrete Structures	
CAB302	Software Development	
Year 4, S	emester 2	
IFB398	Capstone Project (Phase 1)	
Select ONE of:		
CAB401	High Performance and Parallel Computing	
CAB403	Systems Programming	
OR IT Core Unit Option		
Year 5, Semester 1		
IFB399	Capstone Project (Phase 2)	
Select ONE of:		
CAB402	Programming Paradigms	
CAB420	Machine Learning	
OR IT Co	re Unit Option	
(Select IT Core Unit Option here, if not selected previously.)		

Semesters

- <u>Semester 1 (February)</u> **commencements**
- . Year 1, Semester 1
- Year 1, Semester 2 ٠
- Year 2, Semester 1 Year 2, Semester 2 ٠
- •
- Year 3, Semester 1
- ٠ Year 3, Semester 2
- Year 4, Semester 1 • ٠
- Year 4, Semester 2 •
- Semester 2 (July) commencements Year 1, Semester 2 .
- •
- Year 2, Semester 1 Year 2, Semester 2 .
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2 •
- •
- Year 5, Semester 1

Code	Title		
Semester	1 (February) commencements		
Year 1, S	Year 1, Semester 1		
IFB102	Introduction to Computer Systems		
IFB103	IT Systems Design		
Year 1, S	emester 2		
IFB104	Building IT Systems		
IFB105	Database Management		
Year 2, S	emester 1		
IT Core Unit Option			
IT Core Unit Option			
Year 2, S	emester 2		
IAB201	Modelling Techniques for Information Systems		
IAB207	Rapid Web Application Development		
Year 3, S	emester 1		
IAB203	Business Process Modelling		
IAB204	Business Requirements		

Year 3, S	emester 2
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, S	emester 1
IFB398	Capstone Project (Phase 1)
Select on	e of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, S	emester 2
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semester	r 2 (July) commencements
Year 1, S	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, S	emester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 2
IAB201	Modelling Techniques for Information Systems
IT Core L	Jnit Option
Year 3, S	emester 1
IAB204	Business Requirements Analysis
IAB207	Rapid Web Application Development
Year 3, S	emester 2
IAB305	Information Systems Lifecycle Management
IT Core L	Jnit Option
Year 4, S	emester 1
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, S	emester 2
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2)
Select Of	NE of:
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement

Information Systems IAB402 Consulting

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on **QUT Virtual**.

Introductory Law Electives	
Code	Title
LLB140	Human Rights Law
LLB141	Introduction to International Law
LLB142	Regulation of Business

Please note that some law options (electives) maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on QUT Virtual.

General L	_aw Electives List
Code	Title
LLB241	Discrimination and Equal Opportunity Law
LLB242	Media Law
LLB243	Family Law
LLB244	Criminal Law Sentencing
LLB245	Sports Law
LLB247	Animal Law
LLB248	COVID-19 and the Law
LLB250	Law, Privacy and Data Ethics
LLB251	Law and Design Thinking
LLB252	Legal Tech
LLB340	Banking and Finance Law
LLB341	Artificial Intelligence, Robots and the Law
LLB342	Immigration and Refugee Law
LLB344	Intellectual Property Law
LLB345	Regulating the Internet
LLB346	Succession Law
LLB347	Taxation Law
LLB349	Japanese Law
LLB350	The Law and Ethics of War
LLB440	Environmental Law
LLB443	Mining and Resources Law
LLB444	Real Estate Transactions
LLB447	International Arbitration
LLB460	Competition Moots A



This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX87&id=37233. CRICOS No.00213J

LLB461	Competition Moots B
LLB463	Community Justice Project
LLB464	International Legal Placement
LLB465	Startup Law Clinic
LLB466	Small Business Law Clinic

Please note that some law elective units maybe offered in alternate years and/or are subject to student enrolments. Please refer QUT Real Law (LAW_Real_Law) Blackboard site under My Community on your blackboard homepage for unit offerings to determine which units will be available.

Before enrolling in an option (elective) unit, you must ensure you have met any pre- or co-requisite requirements. You can check this by referring to the unit outlines on <u>QUT Virtual</u>.

Advanced Law Electives		
Code	Title	
Select 24 credit points of Advanced Law Electives (2 x 12 cp units or 1 x 12 cp unit)		
LLH470	Commercial Contracts in Practice	
LLH471	Health Law and Practice	
LLH472	Public International Law	
LLH473	Independent Research Project	
LLH474	Insolvency Law	
LLH475	Theories of Law	
LLH476	Competition Law	
LLH477	Innovation and Intellectual Property Law	
LLH478	Advanced Criminal Law - Principles and Practice	
LLH479	Research Thesis Extension	
LLH480	Consumer Law in a Digital Age	
LLH481	Private International Law	

You can complement your core law units with a minor in law, technology and innovation. Learn the skills needed to communicate and collaborate with technologists, innovators, regulators, engineers, designers and policy makers. Apply big data analytics and come up with creative solutions to address pressing social problems, and learn from experts at the forefront of artificial intelligence and technology regulation.

Law, Technology and Innovation Minor		
Code	Title	
Choose four units to complete the minor		
LLB250	Law, Privacy and Data Ethics	
LLB251	Law and Design Thinking	
LLB252	Legal Tech	

LLB341	Artificial Intelligence, Robots and the Law	
LLB345	Regulating the Internet	



QUT

Bachelor of Mathematics (Honours)

Year	2021
QUT code	MS10
CRICOS	080486K
Duration (full-time)	1 year
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$4,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,600 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Elliot Carr
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A completed recognised bachelor degree with a minimum grade point average (GPA) score of 5.00 (on QUT's 7-point scale) completed within the last 5 years in one of the fields of:

- mathematics
- computer science
- economics
- finance
- physics
- engineering

plus:

- Suitable honours topic
- · Proposed honours supervisor

Places are subject to supervisor availability.

International Entry requirements Prerequisite

A completed recognised bachelor degree with a minimum grade point average (GPA) score of 5.00 (on QUT's 7-point scale) completed within the last 5 years in the fields of:

- mathematics
- computer science
- economics or finance
- physics
- engineering

Applicants are required to nominate their proposed topic and supervisor. Places are subject to supervisor availability.

Minimum English

requirements Students must meet the English

proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Course Design

Students undertake a 36 credit point Research Project.

Overview

The Bachelor of Mathematics (Honours) course provides extended modern and rigorous training in mathematical sciences and related research, to prepare students both for higher-level graduate careers in industry and government and for research at PhD or Research Masters level. The course contributes to addressing the continuing shortage of highly trained mathematical scientists in Australia and abroad.

Through a combination of research and advanced coursework units, students pursue specialised studies in an area of mutual interest with a personal research mentor/supervisor. Research units will enable students to develop an understanding of the nature of mathematical and statistical approaches to solving real world, current research problems. Coursework units provide students the opportunity to develop much more advanced skills and knowledge compared with those built in the undergraduate course. The coursework emphasises mathematics and statistics that is required for current research and for a competitive edge in the employment market.

The course provides students with further depth of knowledge and analytical skills expected of professionals who apply mathematics, computational methods, decision science and statistics in the workplace and in further research.

Course Structure

Requirements for the completion of MS10 Bachelor of Mathematics (Honours) are as follows:

CORE: Foundations of Research unit and Reviewing the Field unit

OPTION: A choice of either the *Expanded Research* Strand or the *Extended Coursework* Strand

Each strand comprises of coursework and a major research project supervised by QUT staff.

Career Outcomes

Mathematics graduates are employed across a wide range of areas. These include, but are not limited to, finance, investment, data analytics, defence and national security, research, information technology, engineering modelling and simulation, environmental science, health, management, marketing, logistics, media, and education. In addition to their knowledge and skills in mathematics, graduates are also highly valued for their analytical and problem-solving skills. Development of skills in communication, problem-solving, critical thinking and teamwork form an integral part of the course.



Professional Recognition

Graduates of this course may be eligible for membership of the Australian Mathematical Society, Statistical Society of Australia and/or the Australian Society for Operations Research

Pathways to Further Study

The QUT Bachelor of Mathematics (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Research Masters and/or Doctoral level programs.

Domestic Course structure

Requirements for the completion of MS10 Bachelor of Mathematics (Honours) are as follows:

MXN400 Mathematical Research Training (12 cp)

MXN404-1 Honours Research Project-1 (12 cp)

MXN404-2 Honours Research Project-2(12 cp)

MXN404-3 Honours Research Project-3(12 cp)

and 4 Advanced Coursework units (48 credit points)

International Course structure

Requirements for the completion of MS10 Bachelor of Mathematics (Honours) are as follows:

MXN400 Mathematical Research Training (12 cp)

MXN404-1 Honours Research Project-1 (12 cp)

MXN404-2 Honours Research Project-2(12 cp)

MXN404-3 Honours Research Project-3(12 cp)

and 4 Advanced Coursework units (48 credit points)

In this list

- <u>Semester 1</u>
- <u>Semester 2</u>
- Mathematics Honours Options List

Semester 1	
Code	Title
MXN40 0	Mathematical Research Training
MXN40 4-1	Honours Research Project 1

This information is correct as at 16/12/2021. For the most up-to-date course information, visit

https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=MS10&id=37337. CRICOS No.00213J

Coursework option unit

Coursework option unit

Semester 2			
Code	Title		
MXN40 4-2	Honours Research Project 2		
MXN40 4-3	Honours Research Project 3		
Coursework option unit			
Coursework option unit			

Mathematics Honours Options List	
Code	Title
MXN40 1	Minor Project
MXN40 2	AMSI Unit 1
MXN40 3	AMSI Unit 2
MXN42 1	Advanced Computational Mathematics
MXN42 2	Numerical Methods for Fractional Partial Differential Equations
MXN42 3	Advanced Mathematical Modelling
MXN42 4	Advanced Applied Analysis
MXN43 1	Advanced Operations Research
MXN44 1	Advanced Statistical Inference and Modelling
MXN44 2	Modern Statistical Computing Techniques



Year	2021
QUT code	SE05
CRICOS	0102144
Duration (full-time)	5 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Paul Donehue (Urban Development majors); Dr Graham Johnson (Science majors)
Discipline Coordinator	Mellini Sloan (Urban and Regional Planning); Dr Andrew Baker (Environmental Science) +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit.
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Envrionmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

International Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Envrionmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

Sample Structure Semesters

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1, Semester 1



Bachelor of Urban Development (Honours) (Urban and Regional Planning)/Bachelor of Science (Environmental Science)

٠	Year 1, Semester 2
٠	Year 2, Semester 1
٠	Year 2, Semester 2
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- Year 3, Semester 1 Year 3, Semester 2
- .
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1 Year 5, Semester 2 ٠

Code Title Semester 1 (February) commencements Year 1, Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science UXB131 Planning and Design Practice UXB132 Urban Analysis Year 1, Semester 2 Science: Core Unit Option **Environmental Science Major Option** Unit UXB133 Urban Studies UXB134 Land Use Planning Year 2, Semester 1 SEB115 Experimental Science 1 SEB116 Experimental Science 2 Design-thinking for the Built UXB100 Environment History of the Built UXB130 Environment Year 2, Semester 2 ERB101 Earth Systems Ecosystems and the **EVB102** Environment LWS012 Urban Development Law Negotiation and Conflict **UXB135** Resolution Year 3, Semester 1 Experimental Design and **BVB202 Quantitative Methods Geospatial Information** EVB203 Science UXB231 Stakeholder Engagement UXB233 Planning Law Year 3, Semester 2 BVB204 Ecology EVB302 Environmental Pollution UXB230 Site Planning UXB234 Transport Planning Year 4, Semester 1 EVB312 Soils and the Environment OR BVB311 Conservation Biology USB300 Property Development UXB330 Urban Design

UXH430 Planning Theory and Ethics

Year 4, Semester 2		
EVB304	Case Studies in Environmental Science	
ERB310	Groundwater Systems	
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
Year 5, S	emester 1	
EVB312	Soils and the Environment	
OR (if EVB312 completed previously)		
BVB311	Conservation Biology	
BSB113	Economics	
UXH400 -1	Project - Part A	
UXH431	Urban Planning Practice	
Year 5, S	emester 2	
UXH331	Environmental Planning	
UXH432	Community Planning	
UXH433	Regional Planning	
UXH400 -2	Project - Part B	



Year	2021
QUT code	SE40
CRICOS	084922G
Duration (full-time)	5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$6,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,700 per year full-time (96 credit points)
Total credit points	480
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Professor Tim Moroney (Mathematics)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron Mcfadyen (Electrical & Aerospace); Dr Wim Dekkers/Professor Ted Steinberg (Mechanical); Associate Professor Luis Alvarez (Mechatronics); Associate Professor Devakar Epari (Medical); Dr Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics) +61 7 3138 2000

askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE40, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Mathematics in SE40, students are required to complete 192 credit points of course units, as outlined below:

- 96 credit points (8 units) of Core units, which include 24 credit points (2 units) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE40, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x Advanced major units 60cp.

To graduate with a Bachelor of Mathematics in SE40, students are required to complete 192 credit points of course units, as outlined below:

- 96 credit points (8 units) of Core units, which include 24 credit points (2 units) of Core Option units selected from an approved list.
- 96 credit points (8 units) of Major Core units

Sample Structure

Semesters

- <u>Applied and Computational</u> <u>Mathematics Major unit set:</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code Title Applied and Computational Mathematics Major unit set:

Year 1 Semester 1		
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Semester 2		
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Semester 1		
MXB101	Probability and Stochastic Modelling 1	
Maths Core Options Unit		
Year 2 Semester 2		
MXB103	Introductory Computational Mathematics	



Bachelor of Engineering (Honours)/Bachelor of Mathematics

MXB107	Introduction to Statistical Modelling	
Year 3 Semester 1		
MXB201	Advanced Linear Algebra	
MXB225	Modelling with Differential Equations 1	
Year 3 Semester 2		
MXB202	Advanced Calculus	
MXB226	Computational Methods 1	
Year 4 Semester 1		
MXB322	Partial Differential Equations	
MXB326	Computational Methods 2	
MXB326 Year 4 Se	Computational Methods 2 emester 2	
MXB326 Year 4 Se MXB325	Computational Methods 2 emester 2 Modelling with Differential Equations 2	

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- ٠ Year 1 Semester 2
- Year 2 Semester 1 ٠
- Year 2 Semester 2 • •
- Year 3 Semester 1
- Year 3 Semester 2 Year 4 Semester 1 • ٠
- •
- Year 4 Semester 2

Code	Title	
Operations Research Major unit set:		
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Se	emester 2	
MXB105	Calculus and Differential Equations	
Maths Co	re Options Unit	
Please no MXB161 Maths un	ote: SE40 students will do as part of their Engineering its.	
Year 2 Se	emester 1	
MXB101	Probability and Stochastic Modelling 1	
Maths Co	re Options Unit	
Year 2 Se	emester 2	
MXB103	Introductory Computational Mathematics	
MXB107	Introduction to Statistical Modelling	
Year 3 Se	emester 1	
MXB201	Advanced Linear Algebra	
MXB232	Introduction to Operations Research	
Year 3 Se	emester 2	
MXB202	Advanced Calculus	
MXB241	Probability and Stochastic	

Modelling 2		
Year 4 Semester 1		
Optimisation Modelling		
Statistical Inference		
Year 4 Semester 2		
Operations Research for Stochastic Processes		
Work Integrated Learning in Operations Research		

Semesters

- <u>Statistical Science Major unit set:</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Statistical	Science Major unit set:
Year 1 Se	emester 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Se	emester 2
MXB105	Calculus and Differential Equations
Maths Co	re Options Unit
Please no MXB161 Maths un	ote: SE40 students will do as part of their Engineering its.
Year 2 Se	emester 1
MXB101	Probability and Stochastic Modelling 1
Maths Co	re Options Unit
Year 2 Se	emester 2
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Se	emester 1
MXB201	Advanced Linear Algebra
MXB242	Regression and Design
Year 3 Se	emester 2
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2
Year 4 Se	emester 1
MXB341	Statistical Inference
MXB344	Generalised Linear Models
Year 4 Se	emester 2
MXB343	Modelling Dependent Data
MXB348	Work Integrated Learning in Statistics

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 Year 2 - Semester 2
- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - 8	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - 8	Semester 1
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - 5	Semester 2
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - S	Semester 1
EGB362	Operations Management and Process Economics
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - 5	Semester 2
EGH400 -2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control



Bachelor of Engineering (Honours)/Bachelor of Mathematics

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 .
- Year 4, Semester 1
- Year 4 Semester 2 •
- Year 5 Semester 1 Year 5 Semester 2 •

Code Title Year 1 - Semester 1 Energy in Engineering **EGB113** Systems MXB161 Computational Explorations Year 1 - Semester 2 Engineering Sustainability and **EGB100 Professional Practice** MZB126 Engineering Computation Year 2 - Semester 1 Foundation of Engineering **EGB111** Design EGB121 Engineering Mechanics Year 2 - Semester 2 EGB123 Civil Engineering Systems Foundation Unit Option Year 3 - Semester 1 EGB270 Civil Engineering Materials Traffic and Transport EGB272 Engineering Year 3 - Semester 2 EGB273 Principles of Construction EGB373 Geotechnical Engineering Year 4, Semester 1 EGB275 Structural Mechanics EGB371 Engineering Hydraulics Year 4 - Semester 2 EGB376 Steel Design EGH471 Advanced Water Engineering Year 5 - Semester 1 EGB375 Design of Concrete Structures **EGH400 Research Project 1** -1 Research in Engineering EGH404 Practice Advanced Geotechnical EGH473 Engineering Year 5 - Semester 2 **EGH400 Research Project 2** -2 Advanced Highway and EGH472 Pavement Engineering Advanced Concrete EGH475 Structures Advances in Civil Engineering **EGH479**

Practice

Semesters

- Year 1 Semester 1
- Year 1 Semester 2 • Year 2 - Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2 ٠
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 8	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundatio	on Unit Option	
Year 3 - S	Semester 1	
CAB201	Programming Principles	
EGB242	Signal Analysis	
Year 3 - 8	Semester 2	
CAB202	Microprocessors and Digital Systems	
Intermedi	ate Electrical Option Unit	
Year 4 - S	Semester 1	
EGB240	Electronic Design	
CAB301	Algorithms and Complexity	
Year 4 - S	Semester 2	
CAB403	Systems Programming	
EGH404	Research in Engineering Practice	
Year 5 - 8	Semester 1	
EGH400 -1	Research Project 1	
CAB302	Software Development	
EGH456	Embedded Systems	
Advanced Systems	d Computer and Software Option Unit	
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
CAB432	Cloud Computing	
Advanced Computer and Software Systems Option Unit		

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 - Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - 3	Semester 1
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - S	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit (1)
EGB348 requisite granted if the same	can be selected from the list. A waiver for this unit will be you are enrolled in EGB242 at time.
Year 4 - S	Semester 1
EGB340	Design and Practice
Foundatio	on Unit Option
Year 4 - S	Semester 2
Intermedi	ate Electrical Option Unit (2)
Intermedi	ate Electrical Option Unit (3)
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
Advanced	d Electrical Option Unit (1)
Advanced	d Electrical Option Unit (2)
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
Advanced	d Electrical Option Unit (3)
Advanced	d Electrical Option Unit (4)

the university for the real world

Advanced Electrical Option Unit (5)

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 • Year 3 - Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
 Year 5 Semester 1
- Year 5 Semester 2

Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - 8	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit
Year 4 - S	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - S	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - 8	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced	d Electrical Option Unit
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced	d Electrical Option Unit

Sem	esters	
٠	Year 1 - Semester 1	
•	Year 1 - Semester 2	2
•	Year 2 - Semester 1	
٠	Year 2 - Semester 2	2
•	Year 3 - Semester 1	Ĺ

- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - S	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

Semesters

Year 1 - Semester 1
Year 1 - Semester 2

- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title	
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - Semester 1		
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering	
Foundation Unit Option		
Year 3 - S	Semester 1	
EGB211	Dynamics	
EGB242	Signal Analysis	
Year 3 - Semester 2		
CAB202	Microprocessors and Digital Systems	
EGB345	Control and Dynamic Systems	
Year 4 - Semester 1		
EGB220	Mechatronics Design 1	
EGB321	Dynamics of Machines	
Year 4 - S	Semester 2	
EGB320	Mechatronics Design 2	
Intermedi	ate Electrical Option Unit	
Year 5 - Semester 1		
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH419	Mechatronics Design 3	
EGH446	Autonomous Systems	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH413	Advanced Dynamics	
EGH445	Modern Control	
Advanced Electrical Option Unit		

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
 Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1




Bachelor of Engineering (Honours)/Bachelor of Mathematics

- Year 3 Semester 2
 Year 4 Semester 1
- Year 4 Semester 2

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Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 5	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 8	Semester 1
EGB314	Strength of Materials
LQB187	Human Anatomy
LQB187 r	eplaces LSB131 from 2021
onwards	
Year 3 - S	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - S	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB319	BioDesign
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH438	Biomaterials

Year	2021
QUT code	SE60
CRICOS	084923F
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,100 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron Mcfadyen (Electrical & Aerospace); Dr Wim Dekkers/Professor Ted Steinberg (Mechanical); Associate Professor Luis Alvarez (Mechatronics); Associate Professor Devakar Epari (Medical); Dr Wayne Kelly (Computer Science); and Dr Erwin Fielt (Information Systems) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

Sample Structure PLEASE NOTE:

For students taking the IT: Computer Science major with Engineering: Computer & Software Systems major, please refer to the "IT Units: Computer Science/Eng Computer Software Sys Majors ONLY (SE60MJR-CSSES)" structure instead.

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2 .
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2
- •
- Year 4, Semester 1
- Year 4, Semester 2 •
- Semester 2 (July) commencements
- Year 1, Semester 2 ٠
- Year 2, Semester 1
- Year 2, Semester 2 •
- Year 3, Semester 1 •
- Year 3, Semester 2 ٠
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- **Computer Science Major Unit Options**

Title Code

Semester 1 (February) commencements



IEB105 Database Management

Year 1, S	emester 1
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
For Engin	neering students majoring in:
Civil, Med Process/0	hanical, Medical or Chemical Process major -
IT Core U	Init Option
IT Core U	Init Option
For Engin Electrical Mechatro	leering students majoring in: , Electrical & Aerospace or nics major -
	Dragramming Dringinlag
CAB201	Programming Principles
Year 2, S	emester 2
For Engin Civil, Mec Process/0	ieering students majoring in: hanical, Medical or Chemical Process major -
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
(Note: Se	lect CAB202 from the
Computer this is cor majoring	r Science Major Option list - npulsory in the IT component if in these engineering majors.)
For Engin Electrical Mechatro	leering students majoring in: , Electrical & Aerospace or nics major -
IT Core U	Init Option
Compute	r Science Major Unit Option 1
(Note: CA in the eng	B202 will be available as core gineering component if majoring proipeering majors)
Voor 3 S	omostor 1
CAD203	Discrete Structures
CAB302	Soltware Development
Year 3, S	emester 2
CAB303	Networks
IFB295	11 Project Management
Year 4, S	emester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, S	emester 2
IFB399	Capstone Project (Phase 2)
Computer	r Science Major Unit Option 2
Semester	2 (July) commencements
Year 1, S	emester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2. S	emester 1
IFB104	Building IT Systems

11 10 10 5	Database Management	
Year 2, S	emester 2	
CAB201	Programming Principles	
IT Core C	ption	
Year 3, S	emester 1	
CAB203	Discrete Structures	
For Engin	eering students majoring in:	
Process/0	Chemical Process maior -	
0.0000	Microprocessors and Digital	
CAB202	Systems	
For Engin	eering students majoring in:	
Electrical,	Electrical & Aerospace or	
	nics major -	
	Science Major Unit Option 1	
rear 3, 5	emester 2	
IFB295		
Year 4, S		
CAB301	Algorithms and Complexity	
Year 4, S	emester 2	
IFB398	Capstone Project (Phase 1)	
OR Osmunista	Osianas Maias Unit Ostian O	
	Science Major Unit Option 2	
Year 5, S	emester 1	
Commuter	Capstolle Project (Phase 2)	
	Science Major Unit Option 2	
UK IT Cara II	nit Option	
selected r	previously.)	
Computer	Science Maior Unit Options	
	Microprocessors and Digital	
CAB202	Systems	
(CAB202	is CORE unless your	
Engineeri	ng major is in Computer &	
Software & Aerosp	Systems, Electrical, Electrical	
you will co	omplete CAB202 in your	
Engineering component.)		
CAB220	Fundamentals of Data	
0,12220	Science	
CAB320	Artificial Intelligence	
CAB340	Cryptography	
CAB401	High Performance and	
	Parallel Computing	
	Programming Paradigins	
UAB420	Nachine Learning	
CAB430	Integration	
CAB432	Cloud Computing	
CAR440	Network and Systems	
070440		
	Administration	

PLEASE NOTE:

This structure Is ONLY for the combination of IT Computer Science and Engineering Computer & Software Systems Majors.

Semesters

٠	Semester 1	(February)

- <u>commencements</u>
- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 • Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2 ٠
- Year 5, Semester 1
- <u>Computer Science Major Unit</u> Options

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, S	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 1
IT Core U	nit Option
IT Core U	nit Option
Year 2, S	emester 2
Computer	Science Major Unit Option 1
Computer	Science Major Unit Option 2
CAB201 a Computer	and CAB202 are core to EN01 Software Systems Major
Year 3, S	emester 1
CAB203	Discrete Structures
CAB302	Software Development
Year 3, S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	emester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, S	emester 2
IFB399	Capstone Project (Phase 2)
Computer	Science Major Unit Option 3
Semester 2 (July) commencements	
Vear 1 Semester 2	

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This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE60&id=37371. CRICOS No.00213J

IFB102	Introduction to Computer
IFB103	IT Systems Design
Year 2, S	emester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 2
Compute	r Science Major Unit Option 1
IT Core L	Init Option
Year 3, S	emester 1
CAB203	Discrete Structures
Compute	r Science Major Unit Option 2
Year 3, S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	emester 1
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, S	emester 2
IFB398	Capstone Project (Phase 1)
IT Core L	Init Option
OR	
Compute	r Science Major Unit Option 3
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2)
Compute	r Science Major Unit Option 3
Compute OR	r Science Major Unit Option 3
Compute OR IT Core L	r Science Major Unit Option 3 Init Option
Compute OR IT Core L (Select IT	r Science Major Unit Option 3 Init Option Core Unit Option here, if not
Compute OR IT Core L (Select IT selected	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.)
Compute OR IT Core L (Select IT selected I Compute	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options
Compute OR IT Core L (Select IT selected J Compute As CAB2	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to
Compute OR IT Core L (Select IT selected Compute As CAB2 EN01 Co	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems
Compute OR IT Core L (Select IT selected p Compute As CAB2 EN01 Co Major, SE	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will
Compute OR IT Core L (Select IT selected Compute As CAB2 EN01 Co Major, SE undertake	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will e two extra Computer Science ion units in place of CAB201
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB2	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will to two extra Computer Science ion units in place of CAB201 202.
Compute OR IT Core L (Select IT selected p Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB2	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB310	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will to two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design
Compute OR IT Core L (Select IT selected I As CAB2 EN01 Co Major, SE undertake Major opt and CAB310 CAB320	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will to two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB310 CAB310 CAB330	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics
Compute OR IT Core L (Select IT selected Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB3 CAB310 CAB320 CAB330 CAB340	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography
Compute OR IT Core L (Select IT selected Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB3 CAB310 CAB320 CAB330 CAB340	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB310 CAB310 CAB320 CAB330 CAB340 CAB401 CAB402	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB3 CAB310 CAB320 CAB330 CAB340 CAB401 CAB402 CAB420	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB3 CAB310 CAB320 CAB330 CAB340 CAB401 CAB402 CAB420 CAB430	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning Data and Information Integration
Compute OR IT Core L (Select IT selected I As CAB2 EN01 Co Major, SE undertake Major opt and CAB310 CAB310 CAB320 CAB330 CAB340 CAB401 CAB401 CAB402 CAB420 CAB430 CAB430	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning Data and Information Integration Search Engine Technology
Compute OR IT Core L (Select IT selected J Compute As CAB2 EN01 Co Major, SE undertake Major opt and CAB3 CAB310 CAB310 CAB320 CAB330 CAB340 CAB401 CAB402 CAB420 CAB430 CAB431 CAB432	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning Data and Information Integration Search Engine Technology Cloud Computing
Compute OR IT Core L (Select IT selected J Compute As CAB2/ EN01 Co Major, SE undertake Major opt and CAB3 CAB310 CAB310 CAB300 CAB300 CAB401 CAB402 CAB402 CAB430 CAB430 CAB431 CAB432 CAB431	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning Data and Information Integration Search Engine Technology Cloud Computing Network and Systems Administration
Compute OR IT Core L (Select IT selected I As CAB2 EN01 Co Major, SE undertake Major opt and CAB310 CAB310 CAB320 CAB330 CAB340 CAB401 CAB401 CAB402 CAB420 CAB430 CAB430 CAB431 CAB432 CAB432	r Science Major Unit Option 3 Init Option Core Unit Option here, if not previously.) r Science Major Unit Options 01 and CAB202 are core to mputer Software Systems 60MJR-CSSECS students will two extra Computer Science ion units in place of CAB201 202. Interaction and Experience Design Artificial Intelligence Data and Web Analytics Cryptography High Performance and Parallel Computing Programming Paradigms Machine Learning Data and Information Integration Search Engine Technology Cloud Computing Network and Systems Administration Network Security

Semeste	rs
<u>Semester 1 (February)</u>	
commencements	
Year 1, Semester 1 Year 1, Semester 2	
Year 1, Semester 2 Year 2, Semester 1	
• Yea	r 2, Semester 2
 Year 	r 3, Semester 1
• <u>Yea</u>	r <u>3, Semester 2</u>
• <u>Yea</u>	r <u>4, Semester 1</u>
• <u>rea</u> • Sem	ester 2 (July) commencements
• Yea	r 1. Semester 2
 Year 	r 2, Semester 1
• <u>Yea</u>	r 2, Semester 2
• <u>Yea</u>	r 3, Semester 1
• <u>rea</u> • Yea	r 4 Semester 1
• Yea	r 4, Semester 2
• Yea	<u>r 5, Semester 1</u>
Code	Title
Somootor	1 (Echrucry) common comonto
Semester	T (February) commencements
Year 1, S	emester 1
IFB102	Introduction to Computer
	Systems
IFB103	IT Systems Design
Year 1, S	emester 2
IFB104	Building IT Systems
IFB105	Database Management
Year 2 S	emester 1
IT Core I	
TI Core C	
Year 2, S	emester 2
CAB201	Programming Principles
CAB202	Microprocessors and Digital
0/10202	Systems
Year 3, S	emester 1
CAB203	Discrete Structures
CAB302	Software Development
Year 3. S	emester 2
CAB303	Networks
CAD303	
IFB295	TT Project Management
Year 4, S	emester 1
CAB301	Algorithms and Complexity
IFB398	Capstone Project (Phase 1)
Year 4, S	emester 2
IFB399	Capstone Project (Phase 2)
Select on	e of:
	High Performance and
CAB401	Parallel Computing
CAR/02	Programming Daradiame
CAB403	
CAB420	Machine Learning
Semester	2 (July) commencements
Year 1, S	emester 2
	Introduction to Computer
IFB102	Systems

Year 2, Semester 1 IFB104 **Building IT Systems** IFB105 **Database Management** Year 2, Semester 2 CAB201 Programming Principles **IT Core Unit Option** Year 3, Semester 1 Microprocessors and Digital CAB202 Systems CAB301 Algorithms and Complexity Year 3, Semester 2 CAB303 Networks IFB295 IT Project Management Year 4, Semester 1 CAB203 Discrete Structures CAB302 Software Development Year 4, Semester 2 IFB398 Capstone Project (Phase 1) Select ONE of: High Performance and CAB401 Parallel Computing CAB403 Systems Programming **OR IT Core Unit Option** Year 5, Semester 1 IFB399 Capstone Project (Phase 2) Select ONE of: CAB402 Programming Paradigms CAB420 Machine Learning **OR IT Core Unit Option** (Select IT Core Unit Option here, if not selected previously.)

Semesters

٠	Semester 1	(February)
	commencer	ients

- Year 1, Semester 1
- Year 1, Semester 2
 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

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Code	Title	
Semeste	Semester 1 (February) commencements	
Year 1, S	Semester 1	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, S	Semester 2	
_		
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the real world		

IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 1	
IT Core L	Init Option	
IT Core L	Init Option	
Year 2, S	emester 2	
IAB201	Modelling Techniques for Information Systems	
IAB207	Rapid Web Application Development	
Year 3, S	emester 1	
IAB203	Business Process Modelling	
IAB204	Business Requirements Analysis	
Year 3, S	emester 2	
IAB305	Information Systems Lifecycle Management	
IFB295	IT Project Management	
Year 4, S	emester 1	
IFB398	Capstone Project (Phase 1)	
Select on	e of:	
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	
IAB402	Information Systems Consulting	
Year 4, S	emester 2	
IAB401	Enterprise Architecture	
IFB399	Capstone Project (Phase 2)	
Semester	2 (July) commencements	
Year 1, S	emester 2	
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 2, S	emester 1	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, S	emester 2	
IAB201	Modelling Techniques for Information Systems	
IT Core L	Init Option	
Year 3, Semester 1		
IAB204	Business Requirements Analysis	
IAB207	Rapid Web Application Development	
Year 3, S	emester 2	
IAB305	Information Systems Lifecycle Management	
IT Core L	Init Option	
Year 4, S	emester 1	
IAB203	Business Process Modelling	

IFB295	IT Project Management	
Year 4, S	emester 2	
IAB401	Enterprise Architecture	
IFB398	Capstone Project (Phase 1)	
Year 5, S	emester 1	
IFB399	Capstone Project (Phase 2)	
Select ONE of:		
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	
IAB402	Information Systems Consulting	

Semesters Semester 1 (February)

<u>commencements</u>
<u>Year 1 - Semester 1</u>
<u>Year 1 - Semester 2</u>

Year 2 - Semester 1
 Year 2 - Semester 2

 Year 3 - Semester 1 Year 3 - Semester 2 		
Year 4 - Semester 1		
 Year 4 - Semester 2 Year 5 - Semester 1 		
• Yea	r 5 - Semester 2	
Code	Title	
Semester	r 1 (February) commencements	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundatio	on Unit Option	
Year 3 - Semester 1		
EGB261	Unit Operations	
EGB323	Fluid Mechanics	
Year 3 - S	Semester 2	
CVB101	General Chemistry	
EGB322	Thermodynamics	
Year 4 - S	Semester 1	
EGB262	Process Principles	

EGB362	Operations Management and Process Economics	
Year 4 - S	Semester 2	
EGB364	Process Modelling	
EGH411	Industrial Chemistry	
Year 5 - S	Semester 1	
EGB361	Minerals and Minerals Processing	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH463	Plant and Process Design	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
EGH462	Process Control	

Semesters

 Semester 1 (February) <u>commencements</u>
 Year 1 - Semester 1
 Year 1 - Semester 2
 Year 2 - Semester 1
 Year 2 - Semester 2
 Year 3 - Semester 1
 Year 3 - Semester 2

 Year 4, Semester 1 Year 4 - Semester 2 		
Year 5 - Semester 1		
• <u>real</u>	<u>r 5 - Semester 2</u>	
Code	Title	
Semester	1 (February) commencements	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 5	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB123	Civil Engineering Systems	
Foundatio	on Unit Option	
Year 3 - S	Semester 1	
EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport Engineering	
Year 3 - S	Semester 2	

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EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, S	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - S	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - S	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Semesters

- Semester 1 (February)
- commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 ٠ Year 3 - Semester 1
- Year 3 Semester 2 ٠
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 - Semester 1
- Year 5 Semester 2

Code	Title	
Semester	1 (February) commencements	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - Semester 1		
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 5	Semester 2	
EGB120	Foundations of Electrical Engineering	

Foundation Unit Option		
Year 3 - S	Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB242	Signal Analysis	
Year 3 - 5	Semester 2	
CAB201	Programming Principles	
Intermedi	ate Electrical Option Unit	
Year 4 - S	Semester 1	
EGB240	Electronic Design	
Intermedi	ate Software Option Unit	
For students with Computer Science Major: CAB301 and CAB302 are core to the Computer Science Major. Please contact Science and Engineering Faculty to be provided a list of additional units you can select from		
Year 4 - S	Semester 2	
CAB403	Systems Programming	
Intermedi Option Ur	ate Electrical or Software hit	
Year 5 - S	Semester 1	
EGH404	Research in Engineering Practice	
EGH400 -1	Research Project 1	
Advanced Electrical or Software Option Unit		
EGH456	Embedded Systems	
Year 5 - 5	Semester 2	
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
Advanced	d Electrical Option Unit	
Advanced	Software Option Unit	
Semesters Semester 1 (February) commencements Year 1 - Semester 1 Year 2 - Semester 2 Year 2 - Semester 1 Year 3 - Semester 1 Year 3 - Semester 2 Year 4 - Semester 1 Year 5 - Semester 2 Year 5 - Semester 2		

	Code	Title	
	Semester	1 (February) commencements	
	Year 1 - S	Year 1 - Semester 1	
	EGB113	Energy in Engineering Systems	
	MZB125	Introductory Engineering Mathematics	
	OR		
	MXB161	Computational Explorations	
Year 1 - Semester 2		Semester 2	

EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - S	Semester 1
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - S	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit (1)
FGB348	can be selected from the list. A
requisite	waiver for this unit will be
granted if	you are enrolled in EGB242 at
the same	time .
Year 4 - S	Semester 1
EGB340	Design and Practice
Foundatio	
· Janually	on Unit Option
Year 4 - S	Semester 2
Year 4 - S	on Unit Option Semester 2 iate Electrical Option Unit (2)
Year 4 - S Intermedi	on Unit Option Semester 2 iate Electrical Option Unit (2) iate Electrical Option Unit (3)
Year 4 - S Intermedi Intermedi Year 5 - S	Semester 2 Semester 2 ate Electrical Option Unit (2) ate Electrical Option Unit (3) Semester 1
Year 4 - S Intermedi Intermedi Year 5 - S EGH400	Semester 2 Jate Electrical Option Unit (2) Jate Electrical Option Unit (3) Semester 1 Research Project 1
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1	Semester 2 Jate Electrical Option Unit (2) Jate Electrical Option Unit (3) Semester 1 Research Project 1
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404	Semester 2 Tate Electrical Option Unit (2) Tate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced	Semester 2 Jate Electrical Option Unit (2) Jate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1)
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced	Semester 2 Jate Electrical Option Unit (2) Jate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2)
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Year 5 - S	Semester 2 Jate Electrical Option Unit (2) Jate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2) Semester 2
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Year 5 - S EGH400 -2	Semester 2 Tate Electrical Option Unit (2) Tate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2) Semester 2 Research Project 2
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Year 5 - S EGH400 -2 Advanced	Semester 2 Tate Electrical Option Unit (2) Tate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2) Semester 2 Research Project 2 d Electrical Option Unit (3)
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Year 5 - S EGH400 -2 Advanced Advanced	Semester 2 Tate Electrical Option Unit (2) Tate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2) Semester 2 Research Project 2 d Electrical Option Unit (3) d Electrical Option Unit (4)
Year 4 - S Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Year 5 - S EGH400 -2 Advanced Advanced Advanced	Semester 2 Tate Electrical Option Unit (2) Tate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2) Semester 2 Research Project 2 d Electrical Option Unit (3) d Electrical Option Unit (3) d Electrical Option Unit (4) d Electrical Option Unit (5)

Semesters

- Semester 1 (February) <u>commencements</u>
- Year 1 Semester 1
 Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
 Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code Title

Semester 1 (February) commencements



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• Year 5 - Semester 2

Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 1 - S	Semester 2
500400	Engineering Sustainability and
EGB100	Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
	Foundations of Electrical
EGB120	Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - S	Semester 2
EGB2//2	Signal Analysis
Intermedi	ate Electrical Ontion Unit
Voor 4	Somostor 1
EGB243	Aircrait Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - S	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - S	Semester 1
EGH/00	
-1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced	Electrical Option Unit
Year 5 - S	Semester 2
EGH400	
-2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced	Electrical Option Unit

Semesters

- Semester 1 (February)
- **commencements**
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
 Year 3 Semester 1
- ٠ Year 3 - Semester 2
- Year 4 Semester 1 •
- Year 4 Semester 2
 Year 5 Semester 1

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - S	Semester 1
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - 8	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - 8	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - 5	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
ECH422	Fluids Dynamics

Semesters

- <u>Semester 1 (February)</u> commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1

• <u>Yea</u>	r 4 - Semester 2
• <u>Yea</u>	r 5 - Semester 2
Code	Title
Semester	r 1 (February) commencements
Year 1 - S	Semester 1
	Energy in Engineering
EGB113	Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical
Foundatio	on Unit Option
Year 3 - S	Semester 1
EGB211	Dvnamics
EGB242	Signal Analysis
Year 3 - S	Semester 2
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - S	Semester 1
EGB220	Mechatronics Design 1
Intermed	ate Mechanical Option Unit
Year 4 - S	Semester 2
EGB320	Mechatronics Design 2
Intermed	ate Electrical Option Unit
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Year 5 - 9	Semester 2
EGH400	Research Project 2
-2 A du cara a	
Advanced	
EGH446	Autonomous Systems
Auvance	

• Year 3 - Semester 2 • Year 4 - Semester 1

Semesters

- Semester 1 (February)
- commencements
- Year 1 Semester 1



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- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 Semester 2 ٠
- ٠
- Year 4 Semester 1 ٠ Year 4 - Semester 2
- Year 5 Semester 1
 Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 5	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 5	Semester 1
EGB314	Strength of Materials
LQB187	Human Anatomy
LQB187 r onwards	eplaces LSB131 from 2021
Year 3 - S	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - S	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 5	Semester 1
EGB319	BioDesign
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for

Medical Engineers

EGH438 Biomaterials



Year	2021
QUT code	SE80
CRICOS	084924E
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$38,700 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Graham Johnson (Science)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr Wayne Kelly (Computer & Software Systems); Dr Jacob Coetzee (Electrical); Dr Aaron Mcfadyen (Electrical & Aerospace); Dr Wim Dekkers/Prof Ted Steinberg (Mechanical); Aspro Luis Alvarez (Mechatronics); Aspro Devakar Epari (Medical); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); and Aspro Jamie Trapp (Physics) +61 7 3138 2000 askqut@qut.edu.au

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units* selected from an approved list.
- 10 units (120 credit points) of Major core units.

Sample Structure

Semesters

- Semester 1 (February) commencements
 - Year 1 Semester 1
- Year 1 Semester 2 •
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- ٠ Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2 Year 2, Semester 1 ٠
- Year 2, Semester 2
- •
- Year 3, Semester 1 •
- Year 3, Semester 2 Year 4, Semester 1 .
- Year 4, Semester 2
- Year 5, Semester 1

Code Title

Semester 1 (February) commencements Year 1 Semester 1 SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science Year 1 Semester 2 Science Core Unit Option Science Major Unit Option Year 2 Semester 1 SEB115 Experimental Science 1



SEB116	Experimental Science 2
Year 2 Se	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Se	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Se	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4 Se	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Se	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, S	emester 2
BVB201	Biological Processes
BVB204	
	Ecology
Year 4, S	Ecology emester 1
Year 4, S BVB203	Ecology emester 1 Plant Biology
Year 4, S BVB203 BVB305	Ecology emester 1 Plant Biology Microbiology and the Environment
Year 4, S BVB203 BVB305 Year 4, S	Ecology emester 1 Plant Biology Microbiology and the Environment emester 2
Year 4, S BVB203 BVB305 Year 4, S BVB304	Ecology emester 1 Plant Biology Microbiology and the Environment emester 2 Integrative Biology
Year 4, S BVB203 BVB305 Year 4, S BVB304 BVB313	Ecology emester 1 Plant Biology Microbiology and the Environment emester 2 Integrative Biology Population Genetics and Molecular Ecology
Year 4, S BVB203 BVB305 Year 4, S BVB304 BVB313 Year 5, S	Ecology emester 1 Plant Biology Microbiology and the Environment emester 2 Integrative Biology Population Genetics and Molecular Ecology emester 1
Year 4, S BVB203 BVB305 Year 4, S BVB304 BVB313 Year 5, S Science (Ecology emester 1 Plant Biology Microbiology and the Environment emester 2 Integrative Biology Population Genetics and Molecular Ecology emester 1 Core Unit Option

Semesters

- Semester 1 (February)
- <u>commencements</u>
- Year 1 Semester 1

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• <u>Yea</u>	r 2 Semester 2
• <u>Yea</u>	r <u>3 Semester 1</u> r 3 Semester 2
• Yea	r 4 Semester 1
• Yea	r 4 Semester 2
• <u>Ser</u>	nester 2 (July) commencements
• <u>1ea</u> • Yea	r 2, Semester 1
• Yea	r 2, Semester 2
• <u>Yea</u>	r <u>3, Semester 1</u>
• <u>rea</u> • Yea	r 4. Semester 1
 Yea 	r 4, Semester 2
• <u>Yea</u>	<u>r 5, Semester 1</u>
Code	Title
Semester	r 1 (February) commencements
Year 1 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Se	emester 2
CVB101	General Chemistry
	Chemical Structure and
CVB102	Reactivity
Year 2 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in
OLDITO	Science
Year 2 Se	emester 2
CVB210	Chemical Measurement Science
Science (Core Unit Option
Year 3 Se	emester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Se	emester 2
CVB203	Physical Chemistry
	Organic Structure and
CVB204	Mechanisms
Year 4 Se	emester 1
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4 Se	emester 2
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
Semester	r 2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Yea <u>r 2, S</u>	emester 1
SEB115	Experimental Science 1
	·
SEB116	Experimental Science 2
SEB116 Yea <u>r 2, S</u>	Experimental Science 2

Year 1 Semester 2
Year 2 Semester 1

CVB102	Chemical Structure and	ER

	Reactivity
Year 3, S	emester 1
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, S	emester 2
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
Year 4, S	emester 1
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
Year 4, S	emester 2
CVB210	Chemical Measurement Science
CVB303	Coordination Chemistry
Year 5, S	emester 1
CVB304	Chemistry Research Project
Science (Core Unit Option
Semeste	ers

<u>Semester 1 (February)</u>

• Year 1 Semester 1

• V	
• <u>rea</u>	r 2 Semester 1
• <u>Yea</u>	r 2 Semester 2
• <u>Yea</u>	r <u>3 Semester 1</u>
• <u>Yea</u>	<u>r 3 Semester 2</u>
• <u>Yea</u>	r 4 Semester 1
• <u>rea</u>	<u>4 Semesier 2</u>
	r 1 Semester 2
• Year	r 2 Semester 1
• Year	r 2. Semester 2
• Year	r 3, Semester 1
 Year 	r <u>3, Semester 2</u>
• <u>Yea</u>	<u>r 4, Semester 1</u>
• <u>Yea</u>	r 4, Semester 2
• <u>Yea</u>	<u>r 5, Semester 1</u>
Code	Title
Ouuc	
Semester	(February) commencements
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SEB112	Quantitative Methods in
SEDIIS	Science
Year 1.Se	mester 2
Science (Core Unit Option
Science (Science M	Core Unit Option Major Unit Option
Science C Science M Year 2 Se	Core Unit Option Major Unit Option emester 1
Science (Science M Year 2 Se SEB115	Core Unit Option Major Unit Option emester 1 Experimental Science 1
Science C Science M Year 2 Se SEB115 SEB116	Core Unit Option Major Unit Option Experimental Science 1 Experimental Science 2
Science C Science M Year 2 Se SEB115 SEB116 Year 2 Se	Core Unit Option Major Unit Option emester 1 Experimental Science 1 Experimental Science 2 emester 2
Science C Science M Year 2 Se SEB115 SEB116 Year 2 Se ERB101	Core Unit Option Major Unit Option Emester 1 Experimental Science 1 Experimental Science 2 Emester 2 Earth Systems
Science C Science N Year 2 Se SEB115 SEB116 Year 2 Se ERB101 ERB102	Core Unit Option Major Unit Option Experimental Science 1 Experimental Science 2 Experimental Science 2 Earth Systems Evolving Earth
Science C Science M Year 2 Se SEB115 SEB116 Year 2 Se ERB101 ERB102 Year 3 Se	Core Unit Option Major Unit Option Experimental Science 1 Experimental Science 2 Emester 2 Earth Systems Evolving Earth Emester 1
Science C Science M Year 2 Se SEB115 SEB116 Year 2 Se ERB101 ERB102 Year 3 Se ERB201	Core Unit Option Major Unit Option Experimental Science 1 Experimental Science 2 emester 2 Earth Systems Evolving Earth Emester 1 Destructive Earth: Natural Hazards



Voor 2 S	amostor 2
rear 5 Se	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Se	emester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Se	emester 2
	Energy Resources and Basin
ERB303	Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester	2 (July) commencements
Year 1, S	emester 2
SEB104	Grand Challenges in Science
050440	Quantitative Methods in
SEBIIS	Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, S	emester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, S	emester 2
ERB203	Sedimentary Geology and Stratigraphy
	Deforming Earth:
ERB204	Fundamentals of Structural Geology
Year 4, S	emester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, S	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Year 5, S	emester 1
Science (Core Unit Option
Science M	Major Unit Option

Semesters

- Semester 1 (February)
- <u>commencements</u>
- Year 1 Semester 1
- Year 1 Semester 2
 Year 2 Semester 1
 Year 2 Semester 2
- Year 3 Semester 1
- ٠ Year 3 Semester 2
- Year 4 Semester 1 ٠ • Year 4 Semester 2
- <u>Semester 2 (July) commencements</u>

 Year Year Year Year Year Year Year Year 	<u>1, Semester 2</u> 2, Semester 1 2, Semester 2 3, Semester 1 3, Semester 2 4, Semester 1
• <u>Yea</u>	<u>r 4, Semester 2</u> r 5, Semester 1
Codo	Titlo
Semester	1 (February) commencements
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Se	emester 2
Science C	Core Unit Option
Science M	Aajor Unit Option
Year 2 Se	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Se	emester 2
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3 Se	emester 1
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3 Se	emester 2
BVB204	Ecology
EVB302	Environmental Pollution
Year 4 Se	emester 1
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4 Se	emester 2
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Semester	2 (July) commencements
Year 1, S	
SEB104 SEB113	Quantitative Methods in
Voor 2 S	omostor 1
SER115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 S	emester 2
FRB101	Farth Systems
EVB102	Ecosystems and the Environment
Year 3 S	emester 1
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science

Year 3, S	emester 2
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, S	emester 1
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, S	emester 2
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Year 5, S	emester 1
Science Core Unit Option	
Science M	Major Unit Option

Semesters

• <u>Serr</u>	<u>nester 1 (February)</u>
<u>com</u>	mencements
• <u>Yea</u>	<u>r 1 Semester 1</u>
• <u>Yea</u>	<u>r 1 Semester 2</u>
• <u>Yea</u>	<u>r 2 Semester 1</u>
• <u>Yea</u>	<u>r 2 Semester 2</u>
• <u>Yea</u>	<u>r 3 Semester 1</u>
• <u>Yea</u>	<u>r 3 Semester 2</u>
• <u>Yea</u>	<u>r 4 Semester 1</u>
• <u>Yea</u>	<u>r 4 Semester 2</u>
• <u>Ser</u>	nester 2 (July) commencements
• <u>Yea</u>	<u>r 1, Semester 2</u>
• <u>Yea</u>	<u>r 2, Semester 1</u>
• <u>Yea</u>	<u>r 2, Semester 2</u>
• <u>Yea</u>	<u>r 3, Semester 1</u>
• <u>Yea</u>	r 3, Semester 2
• <u>Yea</u>	<u>r 4, Semester 1</u>
• <u>Yea</u>	r 4, Semester 2
• <u>Yea</u>	<u>r 5, Semester 1</u>
Code	Title
Semester	1 (February) commencements
	()
Year 1 Se	emester 1
Year 1 Se	emester 1 Quantitative Methods in
Year 1 Se SEB113	emester 1 Quantitative Methods in Science
Year 1 Se SEB113	Quantitative Methods in Science
Year 1 Se SEB113 SEB115	emester 1 Quantitative Methods in Science Experimental Science 1
Year 1 Se SEB113 SEB115 Year 1 Se	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2
Year 1 Se SEB113 SEB115 Year 1 Se SEB104	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102	Amester 1Quantitative Methods in ScienceExperimental Science 1Emester 2Grand Challenges in SciencePhysics of the Very Small
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1 Experimental Physics
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1 Experimental Physics Experimental Science 2
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1 Experimental Physics Experimental Science 2 emester 2
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1 Experimental Physics Experimental Science 2 emester 2 Computational and
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se PVB200	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1 Experimental Physics Experimental Science 2 emester 2 Computational and Mathematical Physics
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se PVB200 Science 6	emester 1Quantitative Methods in ScienceExperimental Science 1emester 2Grand Challenges in SciencePhysics of the Very Smallemester 1Experimental PhysicsExperimental Science 2emester 2Computational and Mathematical PhysicsCore Unit Option
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se PVB200 Science (Year 3 Se	emester 1 Quantitative Methods in Science Experimental Science 1 emester 2 Grand Challenges in Science Physics of the Very Small emester 1 Experimental Physics Experimental Science 2 emester 2 Computational and Mathematical Physics Core Unit Option emester 1
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se PVB200 Science (Year 3 Se	emester 1Quantitative Methods in ScienceExperimental Science 1emester 2Grand Challenges in SciencePhysics of the Very Smallemester 1Experimental PhysicsExperimental Science 2emester 2Computational and Mathematical PhysicsCore Unit Optionemester 1
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se PVB200 Science (Year 3 Se PQB360	emester 1Quantitative Methods in ScienceExperimental Science 1emester 2Grand Challenges in SciencePhysics of the Very Smallemester 1Experimental PhysicsExperimental Science 2emester 2Computational and Mathematical PhysicsCore Unit Optionemester 1Introduction to Climate
Year 1 Se SEB113 SEB115 Year 1 Se SEB104 PVB102 Year 2 Se PVB203 SEB116 Year 2 Se PVB200 Science (Year 3 Se PQB360	emester 1Quantitative Methods in ScienceExperimental Science 1emester 2Grand Challenges in SciencePhysics of the Very Smallemester 1Experimental PhysicsExperimental Science 2emester 2Computational and Mathematical PhysicsCore Unit Optionemester 1Introduction to Climate Change



Year 3 Semester 2

PVB204 Electromagnetism

This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE80&id=37373. CRICOS No.00213J

PVB220	Cosmology
Year 4 Se	emester 1
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Se	emester 2
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Semester	2 (July) commencements
Year 1, S	emester 2
PVB102	Physics of the Very Small
SEB104	Grand Challenges in Science
Year 2, S	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	emester 2
PVB200	Computational and Mathematical Physics
SEB113	Quantitative Methods in Science
Year 3, S	emester 1
PVB203	Experimental Physics
PVB210	Stellar Astrophysics
Year 3, S	emester 2
PVB204	Electromagnetism
PVB220	Cosmology
Year 4, S	emester 1
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4, S	emester 2
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Year 5, S	emester 1
PQB360	Introduction to Climate Change
Science (Core Unit Option

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- •
- Year 2 Semester 2 Year 3 Semester 1 ٠
- Year 3 Semester 2 •
- . Year 4 - Semester 1
- <u>Year 4 Semester 2</u> <u>Year 5 Semester 1</u> ٠
- .
- Year 5 Semester 2 •

Code Title

Semester 1 (February) commencements		
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	

MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 8	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - 8	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - S	Semester 1
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - S	Semester 2
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - 8	Semester 1
EGB362	Operations Management and Process Economics
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	
LOUID	Fluids Dynamics
EGH462	Fluids Dynamics Process Control

Semesters

- Semester 1 (February)
- **commencements**
- Year 1 Semester 1
- Year 1 Semester 2 •
- Year 2 Semester 1 Year 2 - Semester 2 ٠
- Year 3 Semester 1 •
- Year 3 Semester 2
- Year 4, Semester 1 •
- Year 4 Semester 2 ٠
- Year 5 - Semester 1
- Year 5 Semester 2

Semester 1 (February) commencementYear 1 - Semester 1EGB113Energy in Engineering SystemsMZB125Introductory Engineering MathematicsORMXB161MXB161Computational ExplorationsYear 1 - Semester 2EGB100Engineering Sustainability an Professional PracticeMZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
Year 1 - Semester 1EGB113Energy in Engineering SystemsMZB125Introductory Engineering MathematicsORMXB161MXB161Computational ExplorationsYear 1 - Semester 2EGB100Engineering Sustainability an Professional PracticeMZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
EGB113Energy in Engineering SystemsMZB125Introductory Engineering MathematicsORIntroductory Engineering MathematicsMXB161Computational ExplorationsYear 1 - Semester 2EGB100Engineering Sustainability an Professional PracticeMZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
MZB125Introductory Engineering MathematicsORMXB161Computational ExplorationsYear 1 - Semester 2EGB100Engineering Sustainability an Professional PracticeMZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
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MXB161Computational ExplorationsYear 1 - Semester 2EGB100Engineering Sustainability an Professional PracticeMZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
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EGB100Engineering Sustainability an Professional PracticeMZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
MZB126Engineering ComputationYear 2 - Semester 1EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
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EGB111Foundation of Engineering DesignEGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
EGB121Engineering MechanicsYear 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
Year 2 - Semester 2EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
EGB123Civil Engineering SystemsFoundation Unit OptionYear 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
Foundation Unit Option Year 3 - Semester 1 EGB270 Civil Engineering Materials EGB272 Traffic and Transport Engineering Year 3 - Semester 2 EGB273 Principles of Construction EGB373 Geotechnical Engineering Year 4, Semester 1
Year 3 - Semester 1EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
EGB270Civil Engineering MaterialsEGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
EGB272Traffic and Transport EngineeringYear 3 - Semester 2EGB273Principles of ConstructionEGB373Geotechnical EngineeringYear 4, Semester 1
Year 3 - Semester 2 EGB273 Principles of Construction EGB373 Geotechnical Engineering Year 4, Semester 1
EGB273 Principles of Construction EGB373 Geotechnical Engineering Year 4, Semester 1
EGB373 Geotechnical Engineering Year 4, Semester 1
Year 4, Semester 1
EGB275 Structural Mechanics
EGB371 Engineering Hydraulics
Year 4 - Semester 2
EGB376 Steel Design
EGH471 Advanced Water Engineering
Year 5 - Semester 1
EGB375 Design of Concrete Structure
-1 Research Project 1
EGH404 Research in Engineering Practice
EGH473 Advanced Geotechnical Engineering
Year 5 - Semester 2
EGH400 -2 Research Project 2
EGH472 Advanced Highway and Pavement Engineering
EGH475 Advanced Concrete Structures
EGH479 Advances in Civil Engineering Practice

Semesters

- Semester 1 (February) commencements
- •
- Year 1 Semester 1 Year 1 Semester 2 ٠
- Year 2 Semester 1

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Semesters

Semester 1 (February)

- Year 2 Semester 2 ٠
- Year 3 Semester 1 •
- Year 3 Semester 2
- Year 4 Semester 1 Year 4 - Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	The
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 5	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundatio	on Unit Option
Year 3 - 5	Semester 1
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - S	Semester 2
CAR202	Microprocessors and Digital
CABZUZ	Systems
Intermedi	ate Electrical Option Unit
Year 4 - S	Semester 1
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - S	Semester 2
CAB403	Systems Programming
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
CAB302	Software Development
EGH456	Embedded Systems
Advanced Systems	l Computer & Software Option Unit
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
	Research roject z
EGH455	Advanced Systems Design
EGH455 Advanced Systems	Advanced Systems Design Computer & Software Option Unit
EGH455 Advanced Systems CAB432	Advanced Systems Design d Computer & Software Option Unit Cloud Computing

commencements • Year 1 - Semester 1 • Year 1 - Semester 2 • Year 2 - Semester 1 • Year 3 - Semester 2 • Year 3 - Semester 1 • Year 4 - Semester 1 • Year 5 - Semester 1 • Year 5 - Semester 2			
Code	Title		
Semester	1 (February) commencements		
Year 1 - S	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	/B125 Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - Semester 2			
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - S	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - Semester 2			
CAB202	Microprocessors and Digital Systems		
EGB120	Foundations of Electrical Engineering		
Year 3 - S	Semester 1		
EGB240	Electronic Design		
EGB241	Electromagnetics and Machines		

Year 3 - Semester 2 EGB242 Signal Analysis Intermediate Electrical Option Unit (1) EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time . Year 4 - Semester 1 EGB340 Design and Practice Foundation Unit Option Year 4 - Semester 2 Intermediate Electrical Option Unit (2) Intermediate Electrical Option Unit (3) Year 5 - Semester 1 EGH400 **Research Project 1** _1

1	
EGH404	Research in Engineering Practice
Advanced Electrical Option Unit (1)	

Advanced Electrical Option Unit (2)		
Year 5 - Semester 2		
EGH400 -2	Research Project 2	

Advanced Electrical Option Unit (3) Advanced Electrical Option Unit (4) Advanced Electrical Option Unit (5)

Semesters

•	Semester 1	<u>(February)</u>
	commencer	nents
	1 4 0	<u> </u>

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 - Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title	
Semester	1 (February) commencements	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - Semester 1		
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundatio	on Unit Option	
Year 3 - 5	Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB240	Electronic Design	
Year 3 - S	Semester 2	
EGB242	Signal Analysis	
Intermedi	ate Electrical Option Unit	
Year 4 - S	Semester 1	
EGB243	Aircraft Systems and Flight	
EGB349	Systems Engineering and Design Project	
Year 4 - S	Semester 2	
EGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	



EGH404	Research in Engineering Practice	
EGH446	Autonomous Systems	
Advanced Electrical Option Unit		
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH445	Modern Control	
EGH450	Advanced Unmanned Aircraft Systems	
Advanced Electrical Option Unit		

Semesters

- Semester 1 (February)
- commencements ٠
- Year 1 Semester 1 Year 1 - Semester 2 .
- Year 2 - Semester 1
- Year 2 Semester 2 •
- Year 3 Semester 1 Year 3 Semester 2 ٠
- Year 4 Semester 1 •
- Year 4 Semester 2
- •
- Year 5 Semester 1 Year 5 Semester 2 ٠

Code	Title	
Semester 1 (February) commencements		
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 8	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering	
Foundation Unit Option		
Year 3 - 8	Semester 1	
EGB214	Materials and Manufacturing	
EGB314	Strength of Materials	
Year 3 - S	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - 5	Semester 1	
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
Year 4 - 5	Semester 2	
EGB322	Thermodynamics	

EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

Semesters

- Semester 1 (February) commencements Year 1 - Semester 1 Year 1 - Semester 2 Year 2 - Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 5	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - S	Semester 2
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - S	Semester 1

EGB220 Mechatronics Design 1

Intermediate Mechanical Option Unit		
Year 4 - Semester 2		
EGB320	Mechatronics Design 2	
Intermed	Intermediate Electrical Option Unit	
Year 5 -	Year 5 - Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH419	Mechatronics Design 3	
EGH445	Modern Control	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
Advanced Mechanical Option Unit		
EGH446	Autonomous Systems	
Advanced Electrical Option Unit		

Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
 Year 4 Semester 2
- Year 5 Semester 1 •
- Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	·
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 5	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB314	Strength of Materials
LQB187	Human Anatomy
LQB187 replaces LSB131 from 2021 onwards	
Year 3 - S	Semester 2



EGB211	Dynamics	
LSB231	Physiology	
Year 4 - 5	Semester 1	
EGB214	Materials and Manufacturing	
EGB323	Fluid Mechanics	
Year 4 - 5	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGH404	Research in Engineering Practice	
Year 5 - Semester 1		
Year 5 - S	Semester 1	
Year 5 - 8 EGB319	Semester 1 BioDesign	
Year 5 - 5 EGB319 EGH400 -1	Semester 1 BioDesign Research Project 1	
Year 5 - 5 EGB319 EGH400 -1 EGH414	Semester 1 BioDesign Research Project 1 Stress Analysis	
Year 5 - 5 EGB319 EGH400 -1 EGH414 EGH418	Semester 1 BioDesign Research Project 1 Stress Analysis Biomechanics	
Year 5 - 9 EGB319 EGH400 -1 EGH414 EGH418 Year 5 - 9	Semester 1 BioDesign Research Project 1 Stress Analysis Biomechanics Semester 2	
Year 5 - 5 EGB319 EGH400 -1 EGH414 EGH414 EGH418 Year 5 - 5 EGH400 -2	Semester 1 BioDesign Research Project 1 Stress Analysis Biomechanics Semester 2 Research Project 2	
Year 5 - S EGB319 EGH400 -1 EGH414 EGH418 Year 5 - S EGH400 -2 EGH424	Semester 1 BioDesign Research Project 1 Stress Analysis Biomechanics Semester 2 Research Project 2 Biofluids	
Year 5 - S EGB319 EGH400 -1 EGH414 EGH418 Year 5 - S EGH400 -2 EGH424 EGH435	Semester 1 BioDesign Research Project 1 Stress Analysis Biomechanics Semester 2 Research Project 2 Biofluids Modelling and Simulation for Medical Engineers	

QUT

Bachelor of Science (Honours)

Year	2021
QUT code	ST10
CRICOS	080487J
Duration (full-time)	1 year
Duration (part-time domestic)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,600 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February Commencing studies in 2022: this program is available for on-campus studies only.
Course Coordinator	Dr Melody de Laat
Discipline Coordinator	Dr Melody de Laat (Biological Sciences), Dr James Blinco (Chemistry), Dr Christoph Schrank (Earth Sciences), Professor Stuart Parsons (Environmental Science), Dr Konstantin Momot [SEM-1]/ Professor Ken Ostrikov [SEM-2] (Physics) +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree in science or relevant discipline with a minimum grade point average of 5.00 (on QUT's 7point scale), completed within the last 5 years, *plus:*

- Suitable honours topic
- Proposed honours supervisor

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Entry Requriements or relevant discipline

plus

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- Suitable honours topic
- Proposed honours supervisor

Places are subject to supervisor availability.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

The Bachelor of Science (Honours) allows you to further develop specific areas of expertise in science by providing extended modern and rigorous training in science. It prepares you both for higherlevel graduate careers in industry and government and for research at PhD or Research Masters level.

Through a combination of research and advanced coursework units. vou will pursue specialised studies in an area of mutual interest with a personal research mentor/supervisor. You will develop high level skills in a specific discipline area (Biological Science, Earth Science, Environmental Science, Chemistry or Physics) and acquire research skills appropriate to your discipline. Coursework units provide you the opportunity to develop much more advanced skills and knowledge compared with those built in the undergraduate course. You will design and undertake experimental programs in either laboratory or field settings to solve complex problems. A research project allows you to demonstrate your advanced academic capability and culminates in the completion of an honours thesis.

Course Design

Requirements for the completion of ST10 Bachelor of Science(Honours) (Study Area A) are as follows:

STUDY AREA A: 96 credit points (6

units) comprising One (1) Major from the following:

- Biological Sciences
- Chemistry
- Earth Science
- Environmental Science
- Physics

Each Major is comprised of the Core units Foundations of Research and Reviewing the Field, and the choice of either the *Expanded Research* Strand or the *Extended Coursework* Strand.

Each strand comprises of coursework and a major research project supervised by QUT staff.

Career Outcomes

Research, Graduate employment in industry or government.

Professional Recognition

Membership in professional organisations is not specifically tied to the completion of an Honours degree as entry requirements are met by the completion of the Bachelors degree.

Pathways to Further Study

The QUT Bachelor of Science (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Honours provides the key research pathway to postgraduate study. The program is



Bachelor of Science (Honours)

designed to easily articulate into a Master of Science (Research) with one year advanced standing or into a PhD (depending upon the level of Honours attained).

Domestic Course structure

You must complete 96 credit points (8 units) from one of the following study areas:

- Biological Sciences
- Chemistry
- Earth Science
- Environmental Science
- Physics

International Course

structure

You must complete 96 credit points (8 units) from one of the following study areas:

- Biological Sciences
- Chemistry
- Earth Science
- Environmental Science
- Physics

Sample Structure

Semester 1	
STB403 -1	Honours Research Project 1
STB403 -2	Honours Research Project 2
STB403 -3	Honours Research Project 3
STB410	Advanced Techniques in Earth, Environmental and Biological Research
Semester	2
STB403 -4	Honours Research Project 4
STB403 -4 STB403 -5	Honours Research Project 4 Honours Research Project 5
STB403 -4 STB403 -5 STB403 -6	Honours Research Project 4 Honours Research Project 5 Honours Research Project 6
STB403 -4 STB403 -5 STB403 -6 STB411	Honours Research Project 4 Honours Research Project 5 Honours Research Project 6 Advanced Topics in Earth, Environmental and Biological Research
STB403 -4 STB403 -5 STB403 -6 STB411	Honours Research Project 4 Honours Research Project 5 Honours Research Project 6 Advanced Topics in Earth, Environmental and Biological Research

Code	Title
Semester 1	
STB403 -1	Honours Research Project 1
STB403 -2	Honours Research Project 2
STB412	Advanced Experimental Chemistry Techniques
STB403 -3	Honours Research Project 3
Semester 2	
STB403	Honours Research Project 4

-4	
STB403 -5	Honours Research Project 5
STB403 -6	Honours Research Project 6
STB413	Frontiers of Chemistry

Code	Title
Semester 1	
STB403 -1	Honours Research Project 1
STB403 -2	Honours Research Project 2
STB403 -3	Honours Research Project 3
STB410	Advanced Techniques in Earth, Environmental and Biological Research
Semester	- 2
STB403 -4	Honours Research Project 4
STB403 -5	Honours Research Project 5
STB403 -6	Honours Research Project 6
STB411	Advanced Topics in Earth, Environmental and Biological Research

Code	Title
Semester 1	
STB403 -1	Honours Research Project 1
STB403 -2	Honours Research Project 2
STB403 -3	Honours Research Project 3
STB410	Advanced Techniques in Earth, Environmental and Biological Research
Semester	2
STB403 -4	Honours Research Project 4
STB403 -5	Honours Research Project 5
STB403 -6	Honours Research Project 6
STB411	Advanced Topics in Earth, Environmental and Biological Research

Code	Title
Semester	1
STB403 -1	Honours Research Project 1
STB403 -2	Honours Research Project 2
STB403 -3	Honours Research Project 3

Elective unit		
Semester	Semester 2	
SEB403 -4	Honours Research Project-4	
STB403 -5	Honours Research Project 5	
STB403 -6	Honours Research Project 6	
Elective unit		
Elective units for ST10 Physics Major (Sem1 and Sem 2)		
PCN112	Medical Imaging Science	
PCN113	Radiation Physics	
PCN211	Physics of Medical Imaging	
PCN212	Radiotherapy	
STB414	Advanced Quantum Mechanics	
STB415	Solid State Physics and Nanomaterials	



Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Course Coordinator	Associate Professor Peter Prentis

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Biology (Units 3 & 4, B); and
- completion of Year 12 or attained age 18 years.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science, Physics, or Psychology (Units 3 & 4, C)
- Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence eearlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5

Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0



Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Biology (Units 3 & 4, B); and
- You must be a 2021 Year 12 student or a recent Year 12 student returning from up to two gap years.

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C).

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia. You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Subject prerequisites

- Biology (Units 3 & 4, B)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

The Biological Sciences Major consists of twenty (20) units [240cp]:

Biological Sciences Majors are also required to complete the following study area B components (Minors)

Statistical Modelling minor

and one minor (48 cp) from:

- Biotechnology and Genetics minor
- Wildlife Ecology Minor
- Advanced Science Minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).



Bachelor of Science Advanced (Honours) (Biological Sciences)

Code Title

The Biological Sciences Major consists of twenty (20) units [240cp]:

Biological Sciences Majors are also required to complete the following study area B components (Minors)

• Statistical Modelling minor

and one minor (48 cp) from:

- Biotechnology and Genetics minor
- Wildlife Ecology Minor
- Advanced Science Minor

Sample Structure

The Biological Sciences major in the Bachelor of Science Advanced (Honours) is structured to provide high-achieving students with a strong applied knowledge of biology, building on foundational knowledge obtained in high school. The major will extend understanding of the structure, function and diversity of living things, from cells to whole organisms, including key areas of plant and animal biology and microbiology and the interaction with each other and the environment. The Biological Sciences major is complemented and extended with a minor in either Biotechnology & Genetics or Wildlife Ecology or a minor specifically tailored to future research goals. Students will study units in their first semester which help them identify which area they wish to pursue. By integrating theory and practice and with a strong focus on experimental design, students will learn to apply key biological principles to important areas such as conservation, food security and biotechnology that will lead to research opportunities third and fourth year research units. All students in the major will have the opportunity to participate in research-based activities in these or other key areas of biology through the ST20 core units and through extracurricular activities. Graduates of the Biological Science major will be skilled at the desk, in the laboratory and in the field with strong skills in one of the areas closely aligned to research. They will have advanced research skills and critical thinking ability needed to tackle real-world problems in biology and undertake cutting edge research. These attributes will support high-achieving students in postgraduate study and a research career.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Year 1. Semester 1		
CVB103	Foundations of Chemistry	
MXB100	Introductory Calculus and Algebra	
BVB317	Principles of Genomics and Biotechnology	
or		
BVB214	Vertebrate Life	
Biology N	linor Unit 1	
Year 1, S	emester 2	
BVB201	Biological Processes	
MXB107	Introduction to Statistical Modelling	
STB100	Research Skills and Techniques	
Biology M	linor Unit 2	
Year 2, S	emester 1	
BVB202	Experimental Design and Quantitative Methods	
BVB203	Plant Biology	
BVB301	Animal Biology	
Biology N	1inor Unit 3	
Year 2, S	emester 2	
BVB204	Ecology	
BVB313	Population Genetics and Molecular Ecology	
MXB261	Modelling and Simulation Science	
STB200	Advanced Research Skills and Techniques	
Year 3, S	emester 1	
BVB305	Microbiology and the Environment	
MXB242	Regression and Design	
STB310 -1	Science Research 1	
Biologica	Sciences Major Unit Option 1	
Year 3, S	emester 2	
STR200	Advanced Science	
STB300	Symposium	
-2	Science Research 2	
Biology N	1inor Unit 4	
Biologica	Sciences Major Unit Option 2	
Year 4, S	emester 1	
STB410	Advanced Techniques in Earth, Environmental and Biological Research	
STH420 -1	Advanced Research 1	
STH420 -2	Advanced Research 2	
STH420	Advanced Research 3	

STB411	Advanced Topics in Earth, Environmental and Biological Research
STH420 -4	Advanced Research 4
STH420 -5	Advanced Research 5
STH420 -6	Advanced Research 6



Year 4, Semester 2

Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Chemistry (Units 3 & 4, B)

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C).

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Subject prerequisites

- Chemistry (Units 3 & 4, B)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

Study Area B requirements for a Chemistry Major are

Applied Mathematics minor

and one minor (48 cp) from:

- Analytical Chemistry extension minor
- Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

Study Area B requirements for a Chemistry Major are

Applied Mathematics minor

and one minor (48 cp) from:Analytical Chemistry extension



Bachelor of Science Advanced (Honours) (Chemistry)

minor

Advanced Science minor

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
 Chemistry Core Unit Options

Code	Title		
Year 1, Semester 1			
CVB103	Foundations of Chemistry		
Maths Minor unit			
Chemistry Major Option			
Core Unit	Core Unit Option		
Year 1, S	emester 2		
CVB204	Organic Structure and Mechanisms		
STB100	Research Skills and Techniques		
Chemistr	y Minor Unit		
Maths Mi	nor unit		
Year 2, S	emester 1		
CVB201	Inorganic Chemistry		
CVB202	Analytical Chemistry		
CVB301	Organic Chemistry: Strategies for Synthesis		
Maths Mi	nor unit		
Year 2, S	emester 2		
CVB203	Physical Chemistry		
CVB303	Coordination Chemistry		
STB200	Advanced Research Skills and Techniques		
Chemistr	y Minor Unit		
Year 3, S	emester 1		
CVB302	Applied Physical Chemistry		
STB310 -1	Science Research 1		
Chemistry Minor Unit			
Chemistry	y Minor Unit		
Year 3, Semester 2			
STB300	Advanced Science Symposium		
STB310 -2	Science Research 2		
Maths Mi	nor unit		
Chemistry	y Major Option		
Year 4, S	emester 1		
STB412	Advanced Experimental Chemistry Techniques		
STH420	Advenced Decembra		

Advanced Research 1

-1

-2	Advanced Research 2
STH420 -3	Advanced Research 3
Year 4, S	emester 2
STB413	Frontiers of Chemistry
STH420 -4	Advanced Research 4
STH420 -5	Advanced Research 5
STH420 -6	Advanced Research 6
Chemietr	Core Unit Ontions
Chemisu	
Select 12	cp from:
Select 12 BVB214	cp from: Vertebrate Life
Select 12 BVB214 BVB317	cp from: Vertebrate Life Principles of Genomics and Biotechnology
Select 12 BVB214 BVB317 ERB201	cp from: Vertebrate Life Principles of Genomics and Biotechnology Destructive Earth: Natural Hazards
Select 12 BVB214 BVB317 ERB201 ERB202	cp from: Vertebrate Life Principles of Genomics and Biotechnology Destructive Earth: Natural Hazards Marine Geoscience
Select 12 BVB214 BVB317 ERB201 ERB202 ERB203	cp from: Vertebrate Life Principles of Genomics and Biotechnology Destructive Earth: Natural Hazards Marine Geoscience Sedimentary Geology and Stratigraphy
Select 12 BVB214 BVB317 ERB201 ERB202 ERB203 PVB103	cp from: Vertebrate Life Principles of Genomics and Biotechnology Destructive Earth: Natural Hazards Marine Geoscience Sedimentary Geology and Stratigraphy Foundations of Physics (Advanced)



Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B).
- Mathematical Methods (Units 3 & 4, C).

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C) in addition to prerequisite.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia. You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English

proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

The Earth Sciences Major consists of twenty (20) units [240cp]

Study Area B requirements for an Earth Sciences Major are:

Applied Mathematics Minor or

Statistical Modelling Minor

and one minor (48 cp) from

Geology extension minor or

Advanced Science minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100,



Bachelor of Science Advanced (Honours) (Earth Science)

STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

The Earth Sciences Major consists of twenty (20) units [240cp]

Study Area B requirements for an Earth Sciences Major are:

Applied Mathematics Minor or

Statistical Modelling Minor

and one minor (48 cp) from

Geology extension minor or

Advanced Science minor

Sample Structure

Earth Science is critical for Australia's future sustainable development as our natural resources are a major building block of the nation's economy. Geoscientists play a leading role in finding, developing and managing these resources, as well as studying climate change and managing environmental issues, such as chronic water shortage, dry land salinity and coastal development.

An understanding of Planet Earth is fundamental to your career as a Scientist. Earth Science provides us with an understanding of Earth materials, the natural processes acting in and upon our planet, and its history. You will gain advanced skills needed to become a professional Earth Scientist with special emphasis on hands-on skills acquired through laboratory work and field studies for both resource exploration and management and environmental applications. The program provides you with particular strengths in the areas of sedimentary geology, structural geology, igneous processes and geology, hydrogeology, marine geology, and environmental geology - all these subject areas are of particular importance to Queensland and key industrial sectors that underpin our economy. The Earth Science major in the Bachelor of Science Advanced (Honours) will qualify you with an advanced and coherent knowledge in Earth Science.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1

• Year 4, Semester 2

Code	Title	
Year 1, S	emester 1	
CVB103	Foundations of Chemistry	
ERB202	Marine Geoscience	
ERB205	Earth Materials	
Maths Mi	nor Unit 1	
Year 1, S	emester 2	
EBB203	Sedimentary Geology and	
LIND203	Stratigraphy	
ERB204	Deforming Earth: Fundamentals of Structural Geology	
ERB206	Petrology	
STB100	Research Skills and Techniques	
Year 2, S	emester 1	
ERB201	Destructive Earth: Natural Hazards	
ERB301	Chemical Earth	
ERB302	Applied Geophysics	
Maths Mi	nor Unit 2	
Year 2, S	emester 2	
ERB303	Energy Resources and Basin Analysis	
ERB306	Earth's Mineral Resources	
STB200	Advanced Research Skills and Techniques	
Maths Mi	nor Unit 3	
Year 3, S	emester 1	
ERB305	Geological Field Methods	
STB310 -1	Science Research 1	
Earth Sci	ence Major Unit Option 1	
Maths Mi	nor Unit 4	
Year 3, S	emester 2	
ERB304	Dynamic Earth: Plate Tectonics	
STB300	Advanced Science Symposium	
STB310 -2	Science Research 2	
Earth Science Major Unit Option 2		
Year 4, S	emester 1	
STB410	Advanced Techniques in Earth, Environmental and Biological Research	
STH420 -1	Advanced Research 1	
STH420 -2	Advanced Research 2	
STH420 -3	Advanced Research 3	
Year 4, S	emester 2	
	Advanced Topics in Earth,	
STB411	Environmental and Biological	

	Research
STH420 -4	Advanced Research 4
STH420 -5	Advanced Research 5
STH420	Advanced Research 6

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Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B).
- Mathematical Methods (Units 3 & 4, C).

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, C) in addition to prerequisite.

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Applications in 2022

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If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia. You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
- One of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science or Physics (Units 3 & 4, B)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

Study Area B requirements for an Environmental Science Major are:

Statistical Modelling minor

And one minor (48 cp from)

- Environmental Management Minor
- Advanced Science Minor

International Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) discipline specific major units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

Study Area B requirements for an



Bachelor of Science Advanced (Honours) (Environmental Science)

Environmental Science Major are:

• Statistical Modelling minor

And one minor (48 cp from)

- Environmental Management Minor
- Advanced Science Minor

Sample Structure

The Environmental Science major in the Bachelor of Science Advanced (Honours) will qualify students with an advanced and coherent knowledge of environmental processes and systems. The study of Environmental Science provides an in depth knowledge of the Earth's natural resources and an understanding of the mechanisms, natural processes and human impacts that shape environmental systems. Environmental Scientists play an integral role in managing Australia's future sustainable development, environment impacts and resource management while minimising impacts and degradation.

Within this major students will gain the skills required to pursue a career as a professional environmental scientist, science educator or resource manager. This will be achieved with an emphasis on developing theoretical understanding of environmental processes and systems together with hands-on skill development and hypothesis testing through practical and field studies. The major will provide students with particular strengths in the areas of land resources, environmental impacts, geographic information systems and field mapping, systems modelling and environmental management.

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code Title Year 1, Semester 1 CVB103 Foundations of Chemistry Destructive Earth: Natural **ERB201** Hazards **Geospatial Information** EVB203 Science Introductory Calculus and **MXB100** Algebra Year 1, Semester 2 **Environmental Resource** EGB383 Management **ERB101** Earth Systems Research Skills and **STB100**

	lechniques
Statistical	Modelling Minor Unit 2
Year 2, S	emester 1
BVB202	Experimental Design and Quantitative Methods
EGB274	Environmentally Sustainable Design
EVB312	Soils and the Environment
Statistical	Modelling Minor Unit 3
Year 2, S	emester 2
BVB204	Ecology
EVB302	Environmental Pollution
STB200	Advanced Research Skills and Techniques
Statistical	Modelling Minor Unit 4
Year 3, S	emester 1
BVB311	Conservation Biology
PQB360	Introduction to Climate Change
STB310 -1	Science Research 1
Environm Option 1	ental Science Major Unit
Year 3, S	emester 2
ERB310	Groundwater Systems
STB300	Advanced Science Symposium
STB310 -2	Science Research 2
Environm Option 2	ental Science Major Unit
Year 4, S	emester 1
STB410	Advanced Techniques in Earth, Environmental and Biological Research
STH420 -1	Advanced Research 1
STH420 -2	Advanced Research 2
STH420 -3	Advanced Research 3
Year 4, S	emester 2
STB411	Advanced Topics in Earth, Environmental and Biological Research
STH420 -4	Advenced Decembra
	Advanced Research 4
STH420 -5	Advanced Research 4



Year	2021
QUT code	ST20
CRICOS	102820D
Duration (full-time)	4 years
ATAR/Selection rank	90.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,800 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Associate Professor Peter Prentis
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Prerequisites

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C); and
- Mathematical Methods (Units 3 & 4, C); and
- Physics (Units 3 & 4, B)

Assumed knowledge

Before you start this course, we assume you have sound knowledge of the subject/s listed below. If you don't have the subject knowledge, you can still apply for the course but we encourage you to undertake bridging studies to gain the knowledge:

- Specialist Mathematics (Units 3 & 4, C); and
- At least one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, or Marine Science (Units 3 & 4, C).

Adjustments to your ATAR/selection rank

Elite Athlete Scheme adjustments do not apply to this course. Any other adjustment you receive to your ATAR or selection rank will be applied to this course.

Find out if you're eligible for an adjustment to your ATAR or selection rank

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Academic entry requirements

You must be a current student completing Year 12 in Australia.

You will be considered solely on the basis of your ATAR or IB Diploma results.

Please refer to the <u>Guide to entry</u> thresholds.

International Subject prerequisites

- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)
- Physics (Units 3 & 4, B)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) Physics units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

Physics Majors are also required to complete the following study area B components (Minors)

• Mathematics for Physics minor

and one minor (48 cps) from:

- Astrophysics Minor
- Nanotechnology Minor
- Advanced Science minor
- International Course

structure

ST20 Bachelor of Science Advanced (Honours) comprises 384 credit points (32 units), including 4 core units (STB100, STB200, STB300 and a core option), 240 credit points (20 units) Physics units (including 8 Honours level units) and 96 credit points (8 units) of complmentary studies (2 minors).

Physics Majors are also required to complete the following study area B components (Minors)

• Mathematics for Physics minor



Bachelor of Science Advanced (Honours) (Physics)

and one minor (48 cps) from:

- Astrophysics Minor
- Nanotechnology Minor
- Advanced Science minor

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2

- Year 2, Semester 2
 Year 2, Semester 2
 Year 3, Semester 2
- Year 3, Semester 2
 Year 4, Semester 1
 Year 4, Semester 2

Code	litle	
Year 1, S	emester 1	
CVB103	Foundations of Chemistry	
Maths Mi	nor Unit (MXB100 or MXB322)	
PVB103	Foundations of Physics (Advanced)	
PVB104	Optics	
Year 1, S	emester 2	
Maths Mi	nor Unit (MXB103)	
Maths Mi	nor Unit (PVB200)	
STB100	Research Skills and Techniques	
Physics N	/inor Unit	
Year 2, S	emester 1	
PVB202	Mathematical Methods in Physics	
PVB203	Experimental Physics	
PVB301	Materials and Thermal Physics	
Physics N	/inor Unit	
Year 2, S	emester 2	
PVB204	Electromagnetism	
STB200	Advanced Research Skills and Techniques	
Physics N	/linor Unit	
Physics N	/linor Unit	
Year 3, S	emester 1	
Maths Mi	nor Unit (MXB201)	
PVB302	Classical and Quantum Physics	
STB310 -1	Science Research 1	
Physics Major Unit Option		
Year 3, S	emester 2	
STB300	Advanced Science Symposium	
STB310 -2	Science Research 2	
PVB303	Nuclear and Particle Physics	
Physics N	Aajor Unit Option	
Year 4, <u>S</u>	emester 1	
STB414	Advanced Quantum Mechanics	

STH420 -1	Advanced Research 1	
STH420 -2	Advanced Research 2	
STH420 -3	Advanced Research 3	
Year 4, Semester 2		
STB415	Solid State Physics and Nanomaterials	
STH420 -4	Advanced Research 4	
STH420 -5	Advanced Research 5	
STH420 -6	Advanced Research 6	
Course Notes		



QUT

Graduate Certificate in Business Analysis

Year	2021
QUT code	IN14
CRICOS	0101552
Duration (full-time)	6 months
Duration (part-time domestic)	1 - 2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field; *or*

A recognised diploma (or higher qualification) in information technology or related discipline *and* at least two years full-time (or equivalent) professional work experience in an information technology related field; *or*

At least five years full-time (or equivalent) professional work experience in an information technology field.

International Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field.*

*You must provide a detailed curriculum vitae and employer statements with your application. These must include your position details including your roles and specific responsibilities outlining your IT discipline knowledge and duties undertaken in IT projects. All work experience must be post degree studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Certificate in Business Analysis you are required to complete 48 credit points of course units consisting of:

- 24 credit points of core units; plus
- 24 credit points of discipline option

units selected from an approved list of units.

International Course structure

To graduate with a Certificate in Business Analysis you are required to complete 48 credit points of course units consisting of:

- 24 credit points of core units; plus
- 24 credit points of discipline option units selected from an approved list of units.

Sample Structure

Code	rille	
Course Notes		
IFN515	Fundamentals of Business Process Management	
IFN562	Advanced Business Analysis	
Select 24 Business	credit points from the Analysis Unit Options List:	
IFN521	Foundations of Decision Science	
IFN561	Enterprise Systems Lifecycle Management	
IFN619	Data Analytics for Strategic Decision Makers	
IFN623	Human Information Interaction	
IFN631	IT Governance	
IFN662	Enterprise Systems and Applications	



Graduate Certificate in Computer Science

Year	2021
QUT code	IN15
CRICOS	0101553
Duration (full-time)	6 months
Duration (part-time domestic)	1 - 2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field; *or*

A recognised diploma (or higher qualification) in information technology or related discipline *and* at least two years full-time (or equivalent) professional work experience in an information technology related field; *or*

At least five years full-time (or equivalent) professional work experience in an information technology field.

International Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field.*

* You must provide a detailed curriculum vitae and employer statements with your application. These must include your position details including your roles and specific responsibilities outlining your IT discipline knowledge and duties undertaken in IT projects. All work experience must be post degree studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Certificate in Computer Science you are required to complete 48 credit points of course units consisting of:

• 12 credit points of core units,

comprising of two 6 credit points units; plus

 36 credit points of discipline option units selected from an approved list of units.

International Course

structure

To graduate with a Certificate in Computer Science you are required to complete 48 credit points of course units consisting of:

- 12 credit points of core units, comprising of two 6 credit points units; plus
- 36 credit points of discipline option units selected from an approved list of units.

Sample Structure

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title	
Year 1, Semester 1		
IFN563	Object Oriented Design	
IFN564	Data Structures and Algorithms	
Select 36 credit points from the Computer Science Unit Options List:		
IFN507	Network Systems	
IFN509	Data Exploration and Mining	
IFN541	Information Security Management	
IFN591	Principles of User Experience	
IFN657	Principles of Software Security	
IFN666	Web and Mobile Application Development	



Graduate Certificate in Cyber Security and Networks

Year	2021
QUT code	IN16
CRICOS	0101554
Duration (full-time)	6 months
Duration (part-time domestic)	12 months
Campus	Gardens Point
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field; *or*

A recognised diploma (or higher qualification) in information technology or related discipline *and* at least two years full-time (or equivalent) professional work experience in an information technology related field; *or*

At least five years full-time (or equivalent) professional work experience in an information technology field.

International Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or related discipline; *or*

A recognised bachelor degree (or higher qualification) in any discipline *and* three years full-time (or equivalent) professional experience in an information technology related field.*

*You must provide a detailed curriculum vitae and employer statements with your application. These must include your position details including your roles and specific responsibilities outlining your IT discipline knowledge and duties undertaken in IT projects. All work experience must be post degree studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Certificate in Cyber Security and Networks you are required to complete 48 credit points of course units consisting of:

36 credit pooints of core units; plus

 12 credit points of discipline option units selected from an approved list of units.

International Course structure

To graduate with a Certificate in Cyber Security and Networks you are required to complete 48 credit points of course units consisting of:

- 36 credit pooints of core units; plus
- 12 credit points of discipline option units selected from an approved list of units.

Sample Structure

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title	
Year 1, Semester 1		
IFN563	Object Oriented Design	
IFN564	Data Structures and Algorithms	
IFN507	Network Systems	
IFN541	Information Security Management	
Select 12 credit points from the Cyber Security and Networks Unit Options List:		
IFN591	Principles of User Experience	
IFN657	Principles of Software Security	



Year	2021
QUT code	IN17
CRICOS	086328J
Duration (full-time international)	6 months
International fee (indicative)	2021: \$16,300 per course (48 credit points)
Total credit points	48
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

International Entry requirements

A completed recognised bachelor degree in information technology with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

Pathway to the Master of Information Technology

 Graduate Certificate in Communication for Information Technology (IN17) (one semester) to <u>Master of Information Technology</u> (IN20) (three semesters)

Students with bachelor degrees in disciplines other than information technology may consider the <u>University</u> <u>Certificate in Tertiary Prepartion for</u> <u>Postgraduate Studies</u> (QC06) or <u>English</u> <u>for Academic Purposes</u> pathways.

Pathway to Master of Data Analytics

 Graduate Certificate in Communication for Information Technology (IN17) (one semester) leading to <u>Master of Data Analytics</u> (IN27) (three semesters)

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.0
Listening	5.0
Reading	5.5
Writing	5.5
Speaking	5.0

Successful completion of QUT's English for Academic Purposes (EAP)(Direct Stream) with 50% or better or QC32 English for Academic Purposes 2.

Course Design

The Graduate Certificate in Communication for Information Technology will provide you with core discipline studies and communication knowledge and skills.

The course structure consists of 48 credit points of units. There are two common core communications units (24cp) and two information technology unit options (24cp) from the following information technology areas: Computer Science/Data Science, Enterprise Systems, Networks, Security, or Business Process Management. NB: If you intend to follow a major pathway into IN20/21 MIT you should select the recommended IT units for those majors on commencment of IN17.

Pathways to Further Study

The QUT Graduate Certificate in Communication for Information Technology is located at Level 8 of the Australian Qualifications Framework (AQF). Eligible graduates may articulate from the Graduate Certificate in Communication for Information Technology into the related <u>IN20 Master</u> of Information Technology/ <u>IN21 Master</u> of Information Technology - Graduate Entry course.

International Course structure

The course structure consists of 48 credit points of units. There are two common core communications units (24 credit points) and two information technology unit options (24 credit points) from the following information technology areas:

- computer science/software development
 - cyber security and networks
- business analysis
- business process management
- data science
- enterprise systems
- executive IT

NOTE: You should select the recommended IT units for your <u>chosen</u> <u>major</u> on commencement of IN17. Please contact the Course Coordinator for assistance with any IT unit selection.

Sample Structure Important Course Information

You should select the recommended IT units for your <u>chosen major</u> on commencement of IN17. Please contact the Course Coordinator for assistance with any IT unit selection.

Information Technology unit options are available from the following IT areas:

Business Process Management related units - IFN515, *IFN521, IFN562* Business Analysis related units - IFN562, IFN561, *IFN515, IFN521* Computer Science related units - IFN563 (6CP) + IFN564 (6CP), *IFN507, IFN509, IFN541, IFN591* Cyber Security & Networks related units -

Cyper Security & Networks related units -IFN507, IFN541, *IFN591*



Graduate Certificate in Communication for Information Technology

Decision Science related units -IFN509, *IFN521* Software Development related units -IFN563 (6CP) + IFN564 (6CP) Enterprise Systems related units -*IFN515, IFN541, IFN561, IFN562* Executive IT related units -IFN561, *IFN521*

* Italics = option units in the MIT major

PLEASE NOTE: IFN563 and IFN564 are 6 credit point (cp) units (delivered in block mode - 5 week teaching period).

IMPORTANT: When you select a 6cp unit you must select another 6cp unit together with it. The units are delivered in 5 week teaching period:

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title	
UNIT LIST		
Core units:		
QCD111	Communication 1	
QCD211	Communication 2	
Plus select 24 credit points from the Postgraduate Information Technology Unit Options List:		
IFN564	Data Structures and Algorithms	
IFN563	Object Oriented Design	
(Note: IFN563 and IFN564 are 6 credit points units, hence the block delivery)		
IFN507	Network Systems	
IFN541	Information Security Management	
IFN591	Principles of User Experience	
IFN515	Fundamentals of Business Process Management	
IFN521	Foundations of Decision Science	
IFN562	Advanced Business Analysis	
IFN561	Enterprise Systems Lifecycle Management	
IFN509	Data Exploration and Mining	
NOTE: If you select a 6 credit point unit, you must select another 6 credit point to ensure you meet the required course credit points. Example: IFN563 (6CP) + IFN564 (6CP).		



Year	2021
QUT code	IN18
CRICOS	0101555
Duration (full-time)	6 months
Duration (part-time domestic)	12 months
Campus	Gardens Point
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in any discipline; *or*

A recognised diploma (or higher qualification) in any discipline and at least two years full-time (or equivalent) professional work experience in the information technology field; *or*

At least five years full-time (or equivalent) professional work experience in the information technology field.

International Entry requirements

A completed recognised bachelor degree (or higher) in any discipline.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Certificate in Information Technology you are required to complete 48 credit points of course units consisting of:

 48 credit points of core units, comprising of eight 6 credit points of IT foundation units.

International Course structure

To graduate with a Certificate in Information Technology you are required to complete 48 credit points of course units consisting of:

• 48 credit points of core units, comprising of eight 6 credit points of IT foundation units.

Sample Structure

Note: These Foundation Units are 6 credit points unit and are delivered in 5 week teaching period.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in

semester 2.

When you enrol in a 6cp unit you must enrol in another 6cp unit together with it (one unit in 5-Week-A and the other in 5-Week-B for semester 1; and one unit in 5-Week-C and the other 5-Week-D for semester 2)

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title
Year 1, Semester 1	
IFN551	Computer Systems Fundamentals
IFN552	Systems Analysis and Design
IFN553	Introduction to Security and Networking
IFN554	Databases
IFN555	Introduction to Programming
IFN556	Object Oriented Programming
IFN557	Rapid Web Development
IFN558	Management Information Systems



Year	2021
QUT code	IN25
CRICOS	093729M
Duration (full-time)	6 months
Duration (part-time)	1 year
Campus	Gardens Point
Domestic fee (indicative)	2021: \$12,500 per course (48 credit points)
International fee (indicative)	2021: \$17,300 per course (48 credit points)
Total credit points	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Syed Abbas Zaidi
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in information technology or business

or

A recognised bachelor degree (or higher qualification) in any other discipline *plus* three years full-time (or equivalent) professional experience in information technology or business

or

A recognised diploma (or higher qualification) in information technology or business *plus* at least two years full-time (or equivalent) professional work experience in information technology or business

or

At least five years full-time (or equivalent) professional work experience in information technology or business

International Entry requirements

A completed recognised bachelor degree in the field of information technology or business; *or*

A completed recognised bachelor degree (or higher award) in any discipline and three years industry experience in business or information technology related fields.*

*You must provide a detailed curriculum vitae and employer statements with your application. These must include position details and roles and responsibilities. All work experience must be post degree studies.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To be eligible for the Graduate Certificate in Business Process Management:

- students are required to complete 48 credit points of units.
- students must complete two core BPM units (24 credit points)
- students must take two units (24 credit points) of electives from the list of approved elective units provided.

International Course

structure

To be eligible for the Graduate Certificate in Business Process Management:

- students are required to complete 48 credit points of units.
- students must complete two core BPM units (24 credit points)
- students must take two units (24 credit points) of electives from the list of approved elective units provided.

Sample Structure

Code	Title
Year 1, Semester 1	
IFN515	Fundamentals of Business Process Management
IFN650	Business Process Analytics
OR	
IFN652	Enterprise Business Process Management
Select 24 credit points from the Business Process Management Unit Options List:	
IFN561	Enterprise Systems Lifecycle Management
IFN562	Advanced Business Analysis
IFN650	Business Process Analytics
IFN652	Enterprise Business Process Management
IFN653	Business Process Automation

Code	Title
Year 1, Semester 1	
IFN515	Fundamentals of Business Process Management
IFN650	Business Process Analytics
OR	
IFN652	Enterprise Business Process Management
Year 1, Semester 2	
BPM Elective	
BPM Elective	



Graduate Certificate in Data Analytics

Year	2021
QUT code	IN26
CRICOS	098600K
Duration (full-time international)	6 months
Duration (part-time domestic)	1- 2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$12,200 per course (48 credit points)
International fee (indicative)	2021: \$17,200 per course (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Credit points part-time sem.	24
Dom. Start Months	July, February If starting in February you can choose to enrol full- time and finish in 6 months
Course Coordinator	Associate Professor Yue Xu (Data Science), Professor Chris Drovandi (Statistical Science)
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in any discipline; *or*

A recognised diploma (or higher qualification) in any discipline *and* at least two years full-time (or equivalent) professional work experience as an analyst and/or in the information technology field; *or*

At least five years full-time (or equivalent) professional work experience as an analyst and/or in the information technology field.

International Entry requirements

A recognised bachelor degree (or higher qualification) in any discipline.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

You must complete 48 credit points of course units, consisting of:

• 1 core unit (12 credit points)

• 36 credit points of elective units selected from an approved list.

International Course structure

You must complete 48 credit points of course units, consisting of:

- 1 core unit (12 credit points)
 36 credit points of elective units
- selected from an approved list.

Sample Structure

PLEASE NOTE: Elective units - IFN552, IFN554, IFN555 and IFN556 are 6 credit point (cp) units (delivered in block mode -5 week teaching period).

Important: When you select a

6cp unit you must select another 6cp unit (ideally one unit in first half of the semester and the other in the second half of the semester to balance enrolment load). IFN552. IFN554, IFN555 and IFN556 are delivered in 5 Week teaching sessions commencing in either week 1 or week 9 of semester 1 & 2:

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title
Unit Set	
IFN619	Data Analytics for Strategic Decision Makers
PLUS Select 36 credit points from the Electives option list:	
[The units guide to a studies. Y choose co on your n	are classified in streams as a assist you in focusing your 'ou may wish to pick and ombination of units depending eeds and interests]
IFN509	Data Exploration and Mining
(IFN509: systems o	data analysis/ data-driven/ data development focus)
IFN515	Fundamentals of Business Process Management
(IFN515: focus)	data-driven decision making
IFN552	Systems Analysis and Design
(IFN552+IFN556: data systems development focus/ IFN552+IFN554: data-driven decision making focus)	
IFN554	Databases
(IFN554+ systems of IFN554+I making fo	IFN555: data analysis/ data development focus/ FN552 data-driven decision ocus)
IFN555	Introduction to Programming
(IFN555+IFN554: data analysis/ data systems development focus/ IFN555+IFN556: data-driven decision making focus)	
IFN556	Object Oriented Programming
(IFN556+IFN555: data-driven decision making focus/ IFN556+IFN552: data systems development focus)	

MXN500 Statistical Data Analysis

(MXN500) Statistical Data Analysis (MXN500: data analyst/ data-driven decision making/ data systems development)

Note:

IFN501 Programming Fundamental (data systems development focus) is


permitted to count towards the option if completed prior to 2020. It is replaced by IFN555 (6CP) and IFN556 (6CP) which are delivered in block mode - 5 week teaching period.

Year	2021
QUT code	IQ14
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Certificate in Business Analysis is a course designed for existing professionals who have a background working in IT, and wish to upskill in business analysis.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Certificate

- in Business Analysis with the following:
- a completed bachelor degree (or higher qualification) in Information Technology or related discipline; or
- a completed bachelor degree (or higher qualification) in any discipline and three years full-time (or equivalent) professional work experience in an IT-related field; or
- a completed diploma (or higher qualification) in Information Technology or related discipline and two years full-time (or equivalent) professional work experience in an IT-related field; or
- five years full-time (or equivalent) professional work experience in an IT-related field.

Course structure

To meet the course requirements for the Graduate Certificate in Business Analysis, you must complete a total of 48 credit points.

Units

Advanced Business Analysis Fundamentals of Business Process Management Foundations of Decision Science Enterprise Systems Lifecycle Management

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.



Year	2021
QUT code	IQ15
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Certificate in Computer Science is a course designed for existing professionals who have a background working in IT, and wish to upskill in Computer Science.

Domestic Entry requirements

Academic entry requirements

You can gain entry into the Graduate Certificate in Computer Science with the following:

- a completed bachelor degree (or highe qualification) in Information Technology or related discipline; or
- a completed bachelor degree (or highe qualification) in any discipline and three years full-time (or equivalent) professional work experience in an IT-related field; or
- A completed diploma (or higher qualification) in Information Technology or related discipline and two years full-time (or equivalent) professional work experience in an IT related field; or
- five years full-time (or equivalent) professiona work experience in an IT-related field.

Course structure

To meet the course requirements for the Graduate Certificate in Computer Science, you must complete a total of 48 credit points.

Micro units (6 credit point)

Object Oriented Design Data Structures and Algorithms

Units (12 credit point)

Information Security Management Data Exploration and Mining Web and Mobile App Development

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.



Year	2021
QUT code	IQ16
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$12,900 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Certficate in Cyber Security and Networks is a course designed for existing professionals who have a background in IT, and wish to upskill in cyber security.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Certificate in

- Cyber Security and Networks with the following:
 a completed bachelor degree (or higher qualification) in Information Technology or related discipline; or
- a completed bachelor degree (or higher qualification) in any discipline and three years full-time (or equivalent) professional work experience in an IT-related field; or
- a completed diploma (or higher qualification) in Information Technology or related discipline and two years full-time (or equivalent) professional work experience in an IT related field; or
- five years full-time (or equivalent) professional work experience in an IT-related field.

Course structure

To meet the course requirements for the Graduate Certificate in Cyber Security and Networks, you must complete a total of 48 credit points.

Micro units (6 credit point)

Object Oriented Design Data Structures and Algorithms

Units (12 credit point)

Information Security Management Network Systems Data Privacy and Security

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.



Year	2021
QUT code	IQ18
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2021: \$12,400 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Certificate in Information Technology is ideal for professionals seeking to transition into the ICT industry.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Certificate

- in Information Technology with the following:
- a completed bachelor degree (or higher qualification) in any discipline; or
- a completed diploma (or higher qualification) in any discipline and two years full-time (or equivalent) professional work experience in an IT related field; or
- five years full-time (or equivalent) professional work experience in an IT related field.

Course structure

To meet the course requirements for the Graduate Certificate in Information Technology, you must complete a total of 48 credit points.

Micro units (6 credit points)

Computer Systems Fundamentals Systems Analysis and Design Introduction to Security and Networking Databases Introduction to Programming Object Oriented Programming Rapid Web Development Management Information Systems

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.



Year	2021
QUT code	IQ26
Duration (full-time domestic)	6 months
Duration (part-time domestic)	1 year
Domestic fee (indicative)	2021: \$12,200 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,200 per year full-time (48 credit points)
Total credit points	48
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Certificate in Data Analytics will enhance your understanding of data analytics and the fundamental role data analysts play in providing the rationale for an organisation's ongoing evolution.

Domestic Entry requirements

Academic entry requirements You can gain entry into the Graduate Certificate in Data Analytics with the following:

- a completed bachelor degree (or higher qualification) in any discipline; or
- a completed diploma (or higher qualification) in any discipline and two years full-time (or equivalent) professional work experience as an analyst and/or in the information technology field; or
- five years full-time (or equivalent) professional work experience as an analyst and/or in the information technology field.

Course structure

To meet the course requirements for the Graduate Certificate in Data Analytics, you must complete a total of 48 credit points.

Core unit (12 credit points)

Data Analytics for Strategic Decision Makers

Elective units (12 credit points)

Statistical Data Analysis Data Exploration and Mining Fundamentals of Business Process Management

Micro units (6 credit points)

Introduction to Programming Object Oriented Programming

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.



Year	2021
QUT code	IN19
CRICOS	0101556
Duration (full-time domestic)	6 - 12 months
Duration (full-time international)	1 year
Duration (part-time domestic)	1 - 2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,700 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	96
Credit points part-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji; ph: +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

1 year program

- A recognised bachelor degree (or higher qualification) in any discipline; or
- A recognised diploma (or higher qualification) in information technology and at least two years full-time (or equivalent) professional work experience in the information technology field; *or*
- At least five years full-time (or equivalent) professional work experience in the information technology field

0.5 year program

 Successful completion of QUT's <u>IN18 Graduate Certificate in</u> <u>Information Technology</u>

International Entry requirements

1 year program

- A recognised bachelor degree (or higher qualification) in any discipline; or
- A recognised diploma (or higher qualification) in information technology and at least two years full-time (or equivalent) professional work experience in the information technology field; *or*
- At least five years full-time (or equivalent) professional work experience in the information technology field

0.5 year program

 Successful completion of QUT's <u>IN18 Graduate Certificate in</u> <u>Information Technology</u>

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

To graduate with a Graduate Diploma in Information Technology you are required to complete 96 credit points of course units consisting of:

• 48 credit points of core units, comprising of eight 6 credit points of

- IT foundation units; plus
- 48 credits points of discipline units from your chosen major selection.

Study Areas

Select a major from the following disciplines:

- Business Analysis
- Computer Science
- Cyber Security and Networks

International Course

structure

To graduate with a Graduate Diploma in Information Technology you are required to complete 96 credit points of course units consisting of:

- 48 credit points of core units, comprising of eight 6 credit points of IT foundation units; plus
- 48 credits points of discipline units from your chosen major selection.

Study Areas

Select a major from the following disciplines:

- Business Analysis
- Computer Science
- Cyber Security and Networks

Sample Structure

Note: These Foundation Units are 6 credit points unit and are delivered in 5 week teaching period.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

When you enrol in a 6cp unit you must enrol in another 6cp unit together with it (one unit in 5-Week-A and the other in 5-Week-B for semester 1; and one unit in 5-Week-C and the other 5-Week-D for semester 2)

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title
Year 1, Semester 1	
IFN551	Computer Systems Fundamentals
IFN552	Systems Analysis and Design
IFN553	Introduction to Security and Networking
IFN554	Databases
IFN555	Introduction to Programming

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Graduate Diploma in Information Technology

IFN556	Object Oriented Programming
IFN557	Rapid Web Development
IFN558	Management Information Systems

Code	Title
Unit List	
IFN515	Fundamentals of Business Process Management
IFN561	Enterprise Systems Lifecycle Management
IFN562	Advanced Business Analysis
Select 12 credit points from the Business Analysis Unit Options List:	
IFN521	Foundations of Decision Science
IFN619	Data Analytics for Strategic Decision Makers
IFN631	IT Governance
IFN662	Enterprise Systems and Applications

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title	
Unit List	Unit List	
IFN563	Object Oriented Design	
IFN564	Data Structures and Algorithms	
Select 36 credit points from the Computer Science Unit Options List:		
IFN507	Network Systems	
IFN509	Data Exploration and Mining	
IFN541	Information Security Management	
IFN591	Principles of User Experience	
IFN666	Web and Mobile Application Development	

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the

This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?course?course?ln19&id=36958. CRICOS No.00213J

semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and <u>census dates</u>'.

Code	Title
Unit List	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
IFN507	Network Systems
IFN541	Information Security Management
Select 12 credit points from the Cyber Security and Networks Unit Options List:	
IFN591	Principles of User Experience
IFN657	Principles of Software Security
LWQ70 2	Data Privacy and Security



2021
IQ19
1 year
2 years
2021: \$24,700 per year full-time (96 credit points)
2021: \$34,700 per year full-time (96 credit points)
96
October, July, April, February
1300 110 918 help@qutonline.edu.au

Graduate Diploma in IT (Business Analysis) is an ideal way for professionals coming from a background other than IT to gain foundational knowledege in Information Technology, with a particular focus on how ICT supports Business Analysis.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Diploma in Information Technology (Business Analysis) with the following:

- a completed bachelor degree (or highe qualification) in any discipline; or
- a completed diploma (or higher qualification) i a relevant area, and two years full-time (or equivalent) professional work experience in a relevant area; or
- five years full-time (or equivalent) professional work experience in a relevant area.

Course structure

To meet the course requirements for the Graduate Diploma in information Technology (Business Analysis, you must complete a total of 96 credit points.

Micro units (6 credit point)

Computer Systems Fundamentals Systems Analysis and Design Introduction to Security and Networking Databases Introduction to Programming Object Oriented Programming Rapid Web Development Management Information Systems

Core units (12 credit point)

Enterprise Systems Lifecycle Management Advanced Business Analysis Fundamentals of Business Process Management Foundations of Decision Science

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.



Year	2021
QUT code	IQ19
Duration (full-time domestic)	1 year
Duration (part-time domestic)	2 years
Domestic fee (indicative)	2021: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,700 per year full-time (96 credit points)
Total credit points	96
Dom. Start Months	October, July
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Diploma in Information Technology (Computer Science) will ensure you are ready to discover dynamic ways to use computational systems to develop effective and people-oriented ICT solutions, grounded in a sound design and problem solving methodology.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Diploma in Information Technology (Computer Science) with the following:

- a completed bachelor degree (or higher qualification) in any discipline; or
- a completed diploma (or higher qualification) in relevant area, and two years full-time (or equivalent) professional work experience in a relevant area; or
- five years full-time (or equivalent) professional work experience in a relevant area.

Course structure

To meet the course requirements for the Graduate Diploma in Information Technology (Computer Science), you must complete a total of 96 credit points.

IT Micro units (6cp)

Computer Systems Fundamentals Systems Analysis and Design Introduction to Security and Networking Databases Introduction to Programming Object Oriented Programming Rapid Web Development Management Information Systems

Computer Science Micro units (6cp)

Object Oriented Design Data Structures and Algorithms

Computer Science Core units (12cp)

Information Security Management Data Exploration and Mining Web and Mobile App Development

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.



Year	2021
QUT code	IQ19
Duration (full-time domestic)	1 year
Duration (part-time domestic)	2 years
Domestic fee (indicative)	2021: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,700 per year full-time (96 credit points)
Total credit points	96
Dom. Start Months	October, July, April, February
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

Graduate Diploma in Information Technology (Cyber Security and Networks) is a course designed to open up a pathway for individuals from an unrelated field of study to transition into the ICT industry, acquiring foundational discipline knowledge and specialising in cyber security.

Domestic Entry requirements Academic entry requirements

You can gain entry into the Graduate Diploma in Information Technology (Cyber Security and Networks) with the following:

- a completed bachelor degree (or highe qualification) in any discipline; or
- a completed diploma (or higher qualification) in relevant area, and two years full-time (or equivalent) professional work experience in a relevant area; or
- five years full-time (or equivalent) professional work experience in a relevant area.

Course structure

To meet the course requirements for the Graduate Diploma in Information Technology (Cyber Security and Networks), you must complete a total of 96 credit points.

Micro units (6 credit point)

Computer Systems Fundamentals Systems Analysis and Design Introduction to Security and Networking Databases Introduction to Programming Object Oriented Programming Rapid Web Development Management Information Systems

Cyber Security units (6 credit point)

Object Oriented Design Data Structures and Algorithms

Core units (12 credit point)

Network Systems Information Security Management Data Privacy and Security

Advanced Standing

Your past studies or work experience may count as credit towards your QUT Online course; we call this 'advanced standing'. That means you might not have to complete all of the units listed in your course structure and you may be able to graduate sooner.



Year	2021
QUT code	PH71
CRICOS	020315D
Duration (full-time)	1 year
Duration (part-time)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,500 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,400 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Andrew Fielding
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in one of the following fields:

- Biomedical, medical, medical electronics etc engineering
- Biophysics
- Electrical, avionics etc engineering
- Geophysics
- Mechanical engineering
- Medical physics
- Physics

The following degrees (or higher qualification) are not acceptable:

- Medical imaging
- Radiotherapy
- Medical radiation

International Entry requirements Academic entry requirements

A completed recognised bachelor degree (or higher award) in physics.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Career Outcomes

Graduates can seek employment in hospitals, health departments, tertiary institutions and medical instrumentation companies. Depending on the field of employment, graduates may be known as a medical physicist, health physicist or bio-engineer.

Professional medical/health physicists: - apply electronic tools and medical software, ultrasonics, radiation and computers to clinical and environmental problems

- monitor the environment to maintain acceptable standards in the workplace and the community

- apply fundamental physical research in development programs

- are responsible for calibration, care and maintenance of instruments and apparatus.

Course Design

Stage 1— Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full-time students will need an average of 14 hours a week of formal contact (seven hours for parttime students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2— Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

Professional Recognition

The course is accredited by the Australasian College of Physical Sciences and Engineers in Medicine.

Further Information

Science and Engineering Faculty - Phone +61 7 3138 8822, Email: sef.enguiry@gut.edu.au

Domestic Course structure

Stage 1—Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full-time students will need an average of 14 hours a week of formal contact (seven hours for part-time students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2—Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

International Course structure

Stage 1—Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full-time students will need an average of 14 hours a week of formal contact (seven hours for parttime students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2—Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in



a suitable external institution.

Sample Structure

Code	Title
Year 1, Semester 1 (February to June)	
ENN515	Total Quality Management
LSN104	Advancing Anatomy and Physiology
PCN113	Radiation Physics
PCN211	Physics of Medical Imaging
Year 1, Semester 2 (July to October)	
PCN112	Medical Imaging Science
PCN212	Radiotherapy
PCN214	Health and Occupational Physics
PCN218	Research Methodology and Professional Studies



Year	2021
QUT code	IN20
CRICOS	083059E
Duration (full-time domestic)	2 years
Duration (full-time international)	1.5 - 2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,700 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji; ph: +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

2 year program

A recognised bachelor degree (or higher) in any discipline with a minimum grade point average (GPA) of 4.00 (on QUT's 7 point scale).

1.5 year program

- A recognised bachelor degree (or higher) in information technology with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale); or
- A recognised bachelor degree in any other discipline with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale) *plus* 3 full-time years (or equivalent) of professional work experience in information technology.

1 year program

- A recognised bachelor honours degree in information technology with a minimum grade point average of 4.00 (on QUT's 7 point scale); *or*
- A recognised graduate diploma (or higher) in information technology with a minimum grade point average of 4.00 (on QUT's 7 point scale); or
- A recognised bachelor degree (or higher) in information technology with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale) *plus* completion with a minimum grade point average (GPA) score of 4.00 of one of QUT's:
- Graduate Certificate in Business
 <u>Analysis</u>
- Graduate Certificate in Computer Science
- Graduate Certificate in Cyber Security and Networks

International Entry requirements

2 year program

A completed recognised bachelor degree in any discipline with a minimum grade point average of 4.0 (on QUT's 7 point scale).

1.5 year program*

A completed recognised bachelor degree in information technology with a minimum grade point average of 4.0 (on QUT's 7 point scale); *or*

A completed recognised graduate certificate in information technology with a minimum grade point average of 4.0 (on QUT's 7 point scale). 1 year program*

A completed Australian honours bachelor degree in information technology with a minimum grade point average of 4.0 (on QUT's 7 point scale); *or*

A completed recognised graduate diploma in information technology with a minimum grade point average of 4.0 (on QUT's 7 point scale).

*Note: As part of QUT's application for admission process, you will be automatically assessed for the 1.5 or 1 year program, if eligible. If you wish to be considered for the 2 year program only, please indicate this on your application form.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

If you have an IELTS score of 6 (with Reading and Writing no less than 5.5) and (Listening and Speaking no less than 5) (or accepted equivalent), you may be considered for the Graduate Certificate in Communication for Information Technology pathway.

Course Overview

Graduates of the Master of IT degree will have the specialist knowledge and skills required for senior IT-related professional positions (both technical and managerial). The range of majors offered within the degree opens opportunities for students across the IT sector.

Students who graduate from this degree will have the ability to demonstrate advanced knowledge, based on research practices, in at least one IT discipline. They will undertake a significant research-based project that allows them to constructively apply the analytical skills they develop within an IT problem domain. The course will provide students with the ability to formulate best practice IT strategies and solutions and during this process create new IT discipline knowledge.



The degree aims to prepare students for work in a specialist IT area through a program of study that balances theoretical content, project-based experiences and industry-oriented perspectives.

Core Units

Students must complete core units in Research Based Practice, Project Management and a major Project or 2 small Projects on the approval of their Course Coordinator.

Majors

Students may select a major of 48 credit points from the following disciplines;

* Data Science

The data science major provides you with the knowledge and skills to extract information from large, complex and disparate data sets, using leading edge algorithms and tools.

* Enterprise Systems

Enterprise systems are engineered information systems that consist of applications and associated information, forming the fundamental structure of organisational processes in most large organisations. Enterprise systems provide comprehensive administrative systems and help to automate and streamline business processes.

* Security

The Security major provides you with the skills and knowledge appropriate for a information security professional. You will develop skills in risk management security policies and be aware of the technocal security mechanisms and issues.

* Computer Science

The computer science major extends your understanding of computer programming beyond being a mere user of programming language to an appreciation of their design and implementation.

* Business Process Management

The Business Process Management Major will provide graduates with complementary skills and knowledge to create and align information systems to effectively support business and enable business strategy.

* Networks

The Networks major provides you with the practical skills and theoretical knowledge required by a network administrator. You will gain experience with designing, implementing and maintaining network systems for a wide range of organisations.

* Human Computer Interaction

The HCI major develops the advanced knowledge & skills in human-centred design activities involving emerging technologies in order to create new forms of human-computer interaction.

* Information Management

The Information Management major provides you with the skills and knowledge to find employment in the information management industry. You will gain awareness of the activities in which information management professionals are engaged, in various organisational contexts.

* No Major

Students may select any 4 Advanced level units

Masters Strand Options

Students must complete 72 credit points from the Transition/Advanced Unit Options

Course Completion Rules

Students should meet the following requirements before they are able to complete the Masters program:

For students with an undergraduate degree in an IT-related field wishing to complete the 2 year MIT:

• Students are required to complete 192 credit points of units.

• Students are required to complete the specified core units.

• Students wishing to specialise must complete the specific unit requirements for a major.

• Students wishing to complete their postgraduate studies without a single area of specialisation must satisfy the unit requirements for graduation with no major.

• Students may be allowed to take up to 72 credit points of electives from the list of approved elective units provided.

Entry Requirements

A completed recognised Level 7 Bachelor Degree in any discipline with a minimum GPA of 4 (on a 7 point scale).

IELTS overall band score of 6.5 with no sub-band below 6.0, or equivalent.

Students who have completed a recognised Level 7 Bachelor Degree in the field of Information Technology and are eligible to enter IN21 (graduate entry) MUST indicate 2 year entry option at point of application.

Domestic Course structure

To meet the course requirements for the Master of Information Technology (Study Area A) you are required to complete 192 credit points of course units consisting of:

- 96 credit points of core units, which includes 48 credit points of IT foundation units, and 2 x 24 credit points of industry and research based project units.
- 60 credit points of discpline units from your selected Major.
- 36 credit points of IT related elective units selected from an approved list of units, which is drawn from units offered in each of the IT majors. The unit choices allow you to explore an area in more depth (e.g., Software Development, Data Science), or provide the opportunity for you to develop a breadth of understanding (e.g., Business Analysis, Computer Science).

International Course

structure

To meet the course requirements for the Master of Information Technology (Study Area A) you are required to complete 192 credit points of course units consisting of:

- 96 credit points of core units, which includes 48 credit points of IT foundation units, and 2 x 24 credit points of industry and research based project units.
- 60 credit points of discpline units from your selected Major.
- 36 credit points of IT related elective units selected from an approved list of units, which is drawn from units offered in each of the IT majors. The unit choices allow you to explore an area in more depth (e.g., Software Development, Data Science), or provide the opportunity for you to develop a breadth of understanding (e.g., Business Analysis, Computer Science).

Sample Structure

Code	Title	
Year 1, S	Year 1, Semester 1 or Semester 2	
IFN551	Computer Systems Fundamentals	
IFN552	Systems Analysis and Design	
IFN554	Databases	
IFN555	Introduction to Programming	
IFN553	Introduction to Security and Networking	
IFN556	Object Oriented Programming	
IFN557	Rapid Web Development	
IFN558	Management Information Systems	



IN20MJR-BUSANAL (60cp)

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2 Year 2, Semester 1
- ٠
- Year 2, Semester 2
- July 2-year-entry/ February 1.5year-entry commencements
- Year 2, Semester 1 . •
- Year 2, Semester 2 • Year 3, Semester 1
- •
- **Business Analysis Unit Options** • Select 24 credit points from the
- List:

DUSI	ness Analysis Unit Options Lis
Code	Title
February entry com	2-year-entry/ July 1.5-year- mencements
Year 1, S	emester 2
IFN561	Enterprise Systems Lifecycle Management
IFN562	Advanced Business Analysis
MIT Elect	ive Unit
MIT Elect	ive Unit
Year 2, S	emester 1
IFN711	IT Industry Project
Business	Analysis Option unit
Business	Analysis Option unit
Year 2, S	emester 2
IFN712	Research in IT Practice
IFN663	Advanced Enterprise Architecture
MIT Elect	ive Unit
July 2-yea entry com	ar-entry/ February 1.5-year- imencements
Year 2, S	emester 1
IFN561	Enterprise Systems Lifecycle Management
IFN562	Advanced Business Analysis
MIT Elect	ive Unit
MIT Elect	ive Unit
Year 2, S	emester 2
IFN712	Research in IT Practice
IFN663	Advanced Enterprise Architecture
Business	Analysis Option unit
Year 3, S	emester 1
IFN711	IT Industry Project
Business	Analysis Option unit
MIT Elect	ive Unit
Business	Analysis Unit Options
Select 24 Business	credit points from the Analysis Unit Options List:
IFN515	Fundamentals of Business Process Management
IFN521	Foundations of Decision Science

IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction
IFN650	Business Process Analytics
IFN662	Enterprise Systems and Applications

IN20MJR-BUSPMGT (60cp)

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5-• year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 .
- **Business Process Management Unit Options**
- Select 12 credit points from the Business Process Management Unit Options List:

Code	nue	
February 2-year-entry/ July 1.5-year- entry commencements		
Year 1, S	emester 2	
IFN515	Fundamentals of Business Process Management	
MIT Elect	ive Unit	
MIT Elect	ive Unit	
MIT Elect	ive Unit	
Year 2, S	emester 1	
IFN711	IT Industry Project	
IFN650	Business Process Analytics	
Business Process Management Option Unit		
Year 2, S	emester 2	
IFN712	Research in IT Practice	
IFN652	Enterprise Business Process Management	
IFN653	Business Process Automation	
July 2-yea	ar-entry/ February 1.5-year-	
entry com		
Year 2, S		
IFN515	Fundamentals of Business Process Management	
MIT Elect	ive Unit	
MIT Elect	ive Unit	
MIT Elective Unit		
Year 2, S	emester 2	
IFN712	Research in IT Practice	
IFN652	Enterprise Business Process Management	
IFN653	Business Process Automation	
Year 3, Semester 1		
IFN711	IT Industry Project	

IFN650	Business Process Analytics
Business Process Management Option Unit	
Business Process Management Unit Options	
Select 12 credit points from the Business Process Management Unit Options List:	
IFN521	Foundations of Decision Science
IFN562	Advanced Business Analysis
IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction
IFN662	Enterprise Systems and Applications
IFN663	Advanced Enterprise Architecture

IN20MJR-COMPSC

Important Enrolment Information:

IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and census dates'.

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5year-entry commencements
- Year 2, Semester 1
 Year 2, Semester 2

MIT Elective Unit

- Year 3, Semester 1
- <u>Computer Science Unit Options</u>
- Select 36 credit points from the
- Computer Science Unit Options List:

Code	litie
February 2-year-entry/ July 1.5-year- entry commencements	
Year 1, Semester 2	
IFN563	Object Oriented Design
IFN564 Data Structures and Algorithms	
MIT Elective Unit	



MIT Elective Unit

Year 2, S	emester 1
IFN711	IT Industry Project
IFN664	Advanced Algorithms and
Compute	r Science Option Unit
Year 2, S	emester 2
IFN712	Research in IT Practice
Compute	r Science Option Unit
Compute	r Science Option Unit
July 2-yea	ar-entry/ February 1.5-year-
entry com	hmencements
Year 2, S	emester 1
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
MIT Elect	ive Unit
MIT Elect	ive Unit
MIT Elect	ive Unit
Year 2, S	emester 2
IFN712	Research in IT Practice
Compute	r Science Option Unit
Compute	r Science Option Unit
Year 3, S	emester 1
IFN711	IT Industry Project
IFN664	Advanced Algorithms and Computational Complexity
Compute	r Science Option Unit
Compute	r Science Unit Options
Select 36	credit points from the
Compute	r Science Unit Options List:
IFN507	Network Systems
IFN509	Data Exploration and Mining
IFN541	Information Security Management
IFN591	Principles of User Experience
IFN647	Text, Web and Media Analytics
IFN644	Network Operations and Security
IFN648	Applied Cryptography
IFN657	Principles of Software Security
IFN666	Web and Mobile Application Development
IFN680	Artificial Intelligence and Machine Learning
IFN692	Interaction Design for Emerging Technologies

IN20MJR-SECUR v2> (60cp)

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2 Year 2, Semester 1
- ٠
- Year 2, Semester 2

- July 2-year-entry/ February 1.5year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Cyber Security and Networks Unit • **Options**
- Select 12 credit points from the Cyber Security and Networks Unit Options List:

Code	Title		
February	February 2-year-entry/ July 1.5-year-		
entry com	nmencements		
Year 1, S	emester 2		
IFN507	Network Systems		
IFN541	Information Security Management		
MIT Elect	live Unit		
MIT Elect	tive Unit		
Year 2, S	emester 1		
IFN711	IT Industry Project		
IFN648	Applied Cryptography		
Cyber Se Unit	curity and Networks Option		
Year 2, S	emester 2		
IFN712	Research in IT Practice		
IFN649	Advanced Networks		
MIT Elect	tive Unit		
July 2-ye	ar-entry/ February 1.5-year-		
entry com	nmencements		
Year 2, S	emester 1		
IFN541	Information Security Management		
MIT Elect	tive Unit		
MIT Elective Unit			
MIT Elect	tive Unit		
Year 2, S	emester 2		
IFN712	Research in IT Practice		
IFN507	Network Systems		
IFN649	Advanced Networks		
Year 3, S	emester 1		
IFN711	IT Industry Project		
IFN648	Applied Cryptography		
Cyber Se Unit	curity and Networks Option		
Cyber Security and Networks Unit Options			
Select 12	credit points from the Cyber		
Security a	and Networks Unit Options List:		
ENN523	Advanced Network Engineering		
ENN524	Mobile Network Engineering		
IFN591	Principles of User Experience		
IFN657	Principles of Software Security		

IN20MJR-DATASC (60cp)

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2 July 2-year-entry/ February 1.5-
- year-entry commencements Year 2, Semester 1
- Year 2, Semester 2
 Year 3, Semester 1
- Data Science Unit Options
- Select 48 credit point from the Data Science Major Unit Options List:

Code	Title		
February	2-year-entry/ July 1.5-year-		
entry com	nmencements		
Year 1, S	emester 2		
IFN509	IFN509 Data Exploration and Mining		
MIT Elect	tive Unit		
MIT Elective Unit			
MIT Elect	tive Unit		
Year 2, S	emester 1		
IFN711	IT Industry Project		
Data Scie	ence Option Unit		
Data Scie	ence Option Unit		
Year 2, S	emester 2		
IFN712	Research in IT Practice		
Data Scie	ence Option Unit		
Data Scie	ence Option Unit		
July 2-ye	ar-entry/ February 1.5-year-		
entry con	nmencements		
Year 2, S	emester 1		
IFN509	Data Exploration and Mining		
MIT Elect	tive Unit		
MIT Elect	tive Unit		
MIT Elective Unit			
Year 2, S	emester 2		
IFN712	Research in IT Practice		
Data Science Option Unit			
Data Science Option Unit			
Year 3, S	emester 1		
IFN711	IT Industry Project		
Data Science Option Unit			
Data Science Option Unit			
Data Scie	ence Unit Options		
Select 48	credit point from the Data		
Science I	Vlajor Unit Options List:		
IFN521	Foundations of Decision Science		
IFN619	Data Analytics for Strategic Decision Makers		
IFN645	Large Scale Data Mining		
IFN646	Biomedical Data Science		
IFN647	Text, Web and Media Analytics		
IFN680	Artificial Intelligence and		



This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IN20&id=36959. CRICOS No.00213J

Machine Learning

IN20MJR-ENTSYS (60cp)

Semesters

- <u>February 2-year-entry/ July 1.5-year-entry commencements</u>
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Enterprise Systems Unit Options
- <u>Select 12 credit points from the</u> <u>Enterprise Systems Unit Options</u> <u>List:</u>

Code Title

February 2-year-entry/ July 1.5-year-			
Vear 1 S	emester 2		
IFN561	Anagement		
MIT Elect	tive Unit		
MIT Elect	tive Unit		
MIT Elect	tive Unit		
Year 2, S	emester 1		
IFN711	IT Industry Project		
IFN662	Enterprise Systems and Applications		
IFN667	Enterprise IoT Systems		
Year 2, S	emester 2		
IFN712	Research in IT Practice		
IFN663	Advanced Enterprise Architecture		
Enterprise	Enterprise Systems Option Unit		
July 2-yea	ar-entry/ February 1.5-year-		
entry commencements			
Year 2, Semester 1			
IFN561 Enterprise Systems Lifecycle Management			
MIT Elective Unit			
MIT Elective Unit			
MIT Elective Unit			
Year 2, S	emester 2		
IFN712	Research in IT Practice		
IFN663	Advanced Enterprise Architecture		
Enterprise Systems Option Unit			
Year 3, Semester 1			
IFN711	IT Industry Project		
IFN662	Enterprise Systems and Applications		
IFN667	Enterprise IoT Systems		
Enterprise Systems Unit Options			
Select 12 credit points from the			
Enterprise Systems Unit Options List:			

IFN515	Fundamentals of Business Process Management
IFN521	Foundations of Decision Science
IFN541	Information Security Management
IFN562	Advanced Business Analysis
IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction

IN20MJR-EXECIT (60cp)

Enrolment Information

IAB402 Information Systems Consutling -If you have completed this unit or an equivalent unit in your previous studies, you will need to complete an alternative unit instead. Recommended replacement unit from the Executive IT major unit option list: IFN619, IFN652 or IFN662. Please contact the facutly for assistance in updating your Study Plan accordingly.

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Executive IT Unit Options
 Select 12 gradit points from
- <u>Select 12 credit points from the</u> <u>Executive IT Unit Options List:</u>

CodeTitleFebruary 2-year-entry/ July 1.5-year-
entry commencementsYear 1, Semester 2IFN631IT GovernanceMIT Elective Unit

MIT Elective Unit		
MIT Elective Unit		
Year 2, Semester 1		
IFN711	IT Industry Project	
IFN561	Enterprise Systems Lifecycle Management	
IAB402	Information Systems Consulting	
(note: IAD402; if you have completed		

(note: IAB402: if you have completed this unit or equivalent unit, please refer to message above the structure and contact the faculty to have your Study Plan updated)

Year 2, Semester 2	
IFN712	Research in IT Practice
IFN663	Advanced Enterprise Architecture

July 2-year-entry/ February 1.5-year- entry commencements		
Year 2, Semester 1		
IFN561	Enterprise Systems Lifecycle Management	
MIT Elective Unit		
MIT Elective Unit		
MIT Elect	tive Unit	
Year 2, S	emester 2	
IFN712	Research in IT Practice	
IFN631	IT Governance	
IFN663	Advanced Enterprise Architecture	
Year 3, Semester 1		
IFN711	IT Industry Project	
IAB402	Information Systems Consulting	
(note: IAB402: if you have completed this unit or equivalent unit, please refer to message above the structure and contact the faculty to have your Study Plan updated)		
Executive IT Option Unit		
Executive IT Unit Options		
Select 12 credit points from the Executive IT Unit Options List:		
IFN521	Foundations of Decision Science	
IFN619	Data Analytics for Strategic Decision Makers	

Executive IT Option Unit

- IFN623 Human Information Interaction
- IFN652Enterprise Business Process
ManagementIFN662Enterprise Systems and
ApplicationsMGN56Consulting and Change
ManagementMGN505 has been discontinued

(30/06/2021) and replaced by MGN565

IN20MJR-SOFTDEV (60cp)

Important Enrolment Information: 6 Credit Points (cp) Units -

IFN563 and IFN564 are 6cp units and are delivered in 5 week teaching period. You should enrol in both units together one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.



This information is correct as at 16/12/2021. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?course?code=IN20&id=36959. CRICOS No.00213J

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and census dates'.

IFN692 Prerequisite Unit Enrolment -

IFN591 Principles of User Experience is a prerequisite unit to the major core unit IFN692 Interaction Design for Emerging Technologies. Please select IFN591 in your Elective Units Option to meet IFN692 prerequiste requirement.

CAB432 Cloud Computing -

If you have completed this unit or an equivalent unit in your previous studies, you will need to complete an alternative unit instead. Recommended replacement unit to be chosen from the Computer Science major unit option list - please refer to the Computer Science major structure (60cp version) for the list of units. Please contact the facutly for assistance in updating your Study Plan accordingly.

Semesters

- February 2-year-entry/ July 1.5year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1

Code Title

February 2-year-entry/ July 1.5-yearentry commencements Year 1, Semester 2 **IFN563 Object Oriented Design** Data Structures and **IFN564** Algorithms MIT Elective Unit - IFN591 Principles of User Experience (prerequisite for core IFN692) **MIT Flective Unit MIT Elective Unit** Year 2, Semester 1 IFN711 IT Industry Project Web and Mobile Application **IFN666** Development Advanced Algorithms and **IFN664** Computational Complexity Year 2, Semester 2 IFN712 Research in IT Practice CAB432 Cloud Computing

(note: CAB432 - if you have completed this unit or equivalent unit, please refer to message above the structure and contact the faculty to have your Study

Plan updated)			
IFN692	Interaction Design for Emerging Technologies		
(note: select prerequisite unit IFN591 in the electives prior to taking IFN692)			
July 2-yea	ar-entry/ February 1.5-year-		
entry commencements			
Year 2, S	emester 1		
IFN563	Object Oriented Design		
IFN564	Data Structures and Algorithms		
MIT Elective Unit - IFN591 Principles of User Experience (prerequisite for core IFN692)			
MIT Elect	ive Unit		
MIT Elect	MIT Elective Unit		
Year 2, Semester 2			
Year 2, S	emester 2		
Year 2, S IFN712	emester 2 Research in IT Practice		
Year 2, S IFN712 CAB432	emester 2 Research in IT Practice Cloud Computing		
Year 2, S IFN712 CAB432 (note: CA this unit o to messa contact th Plan upda	emester 2 Research in IT Practice Cloud Computing B432 - if you have completed r equivalent unit, please refer ge above the structure and e faculty to have your Study ated)		
Year 2, S IFN712 CAB432 (note: CA this unit o to messay contact th Plan upda IFN692	emester 2 Research in IT Practice Cloud Computing B432 - if you have completed r equivalent unit, please refer ge above the structure and le faculty to have your Study ated) Interaction Design for Emerging Technologies		
Year 2, S IFN712 CAB432 (note: CA this unit o to messag contact th Plan upda IFN692 (note: selet the electiv	emester 2 Research in IT Practice Cloud Computing B432 - if you have completed r equivalent unit, please refer ge above the structure and le faculty to have your Study ated) Interaction Design for Emerging Technologies ect prerequisite unit IFN591 in /es prior to taking IFN692)		
Year 2, S IFN712 CAB432 (note: CA this unit o to messag contact th Plan upda IFN692 (note: sele the electiv Year 3, S	emester 2 Research in IT Practice Cloud Computing B432 - if you have completed r equivalent unit, please refer ge above the structure and the faculty to have your Study ated) Interaction Design for Emerging Technologies ect prerequisite unit IFN591 in ves prior to taking IFN692) emester 1		
Year 2, S IFN712 CAB432 (note: CA this unit o to messag contact th Plan upda IFN692 (note: sele the electiv Year 3, S IFN711	emester 2Research in IT PracticeCloud ComputingB432 - if you have completedr equivalent unit, please referge above the structure andue faculty to have your Studyated)Interaction Design forEmerging Technologiesect prerequisite unit IFN591 inves prior to taking IFN692)emester 1IT Industry Project		
Year 2, S IFN712 CAB432 (note: CA this unit o to messag contact th Plan upda IFN692 (note: sele the electiv Year 3, S IFN711 IFN666	emester 2 Research in IT Practice Cloud Computing B432 - if you have completed r equivalent unit, please refer ge above the structure and e faculty to have your Study ated) Interaction Design for Emerging Technologies ect prerequisite unit IFN591 in ves prior to taking IFN692) emester 1 IT Industry Project Web and Mobile Application Development		

Computational Complexity

IFN664

Year	2021
QUT code	IN21
CRICOS	083059E
Duration (full-time)	1.5 years
Duration (part-time domestic)	3 years
Campus	Gardens Point
International fee (indicative)	2020: \$34,700 per year full-time (96 credit points)
Total credit points	144
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Hasmukh Morarji
Discipline Coordinator	AskQUT +61 7 3138 2000 ask@qut.edu.au

Domestic Entry requirements Academic entry requirements

A completed recognised bachelor degree in information technology with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

International Entry requirements

Academic entry requirements

A completed recognised bachelor degree in information technology with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Entry Requirements

A completed recognised Bachelor Degree in the discipline of Information Technology with a minimum GPA of 4 (on a 7 point scale).

IELTS overall band score of 6.5 with no sub-band below 6.0, or equivalent.

Course Overview

Graduates of the Master of IT degree will have the specialist knowledge and skills required for senior IT-related professional positions (both technical and managerial). The range of majors offered within the degree opens opportunities for students across the IT sector.

Students who graduate from this degree will have the ability to demonstrate advanced knowledge, based on research practices, in at least one IT discipline. They will undertake a significant research-based project that allows them to constructively apply the analytical skills they develop within an IT problem domain. The course will provide students with the ability to formulate best practice IT strategies and solutions and during this process create new IT discipline knowledge.

The degree aims to prepare students for

work in a specialist IT area through a program of study that balances theoretical content, project-based experiences and industry-oriented perspectives.

Core Units

Students must complete core units in Research Based Practice, Project Management and a major Project or 2 small Projects on the approval of their Course Coordinator.

Majors

Students may select a major of 48 credit points from the following disciplines;

- * Enterprise Systems
- * Security
- * Computer Science
- * Data Science
- * Business Process Management
- * Networks
- * Human Computer Interaction
- * Information Management
- * No Major

See Major Structure Lists for overviews

Masters Strand Options

Students must complete 24 credit points of Advanced Unit Options from the Options Strand

Course Completion Rules

Students should meet the following requirements before they are able to complete the IN21 program:

- Students are required to complete 144 credit points of units.
- Students are required to complete the specified core units.

• Students wishing to specialise must complete the specific unit requirements for a major.

• Students wishing to complete their postgraduate studies without a single area of specialisation must satisfy the unit requirements for graduation with no major.

• Students may be allowed to take up to two units of electives from the list of approved elective units provided.

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1

Code Title

Year 1, Semester 1

Major Core Unit

Major Core Unit/ Major Option Unit



IFN600Understanding Research[IFN600 is replaced by PG IT Elective
Units from 2020. Refer to the 'PG IT
Elective Unit Options' structure below
(under Unit Lists section) for list of units]Advanced
Unit Option OR IFN700
Project ManagementYear 1, Semester 2Major Correct
IFN700Project ManagementProject Management

[IFN700 is replaced by PG IT Elective Units from 2020. Refer to the 'PG IT Elective Unit Options' structure below (under Unit Lists section) for list of units] OR Advanced Unit Option

IFN712 Research in IT Practice

[IFN701 is replaced by IFN712 from 2020]

Year 2, Semester 1

Advanced Unit Option Major Core Unit/ Major Option Unit

IFN711 IT Industry Project

[IFN702 is replaced by IFN711 from 2020]



QUT

Master of Information Science

Year	2021
QUT code	IN22
CRICOS	083058F
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
International fee (indicative)	2018: \$28,700 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Jason Watson

Domestic Entry requirements

A completed recognised Bachelor Degree in any discipline with a minimum GPA of 4 (on a 7 point scale).

International Entry requirements

A completed recognised Bachelor Degree in any discipline with a minimum GPA of 4 (on a 7 point scale).

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

This degree prepares you for entry into the dynamic and exiting world of the information industry. It has been designed to provide a rich and stimulating learning environment that helps you to develop the skills, knowledge and attitudes needed by contemporary information professionals. You will acquire the knowledge and expertise required to design, plan, develop, manage and evaluate information services to meet the information needs of clients. A hands-on and real world based curriculum gives you the opportunity to explore a wide range of areas within the information field and gain deep understanding within your chosen speciality such as information management or library and information practice.

You will have the opportunity to interact with peers, lecturers and the information sector through social technologies and immersive learning environments. Designed to suit your busy lifestyle the degree can be taken online or face-toface or a mix of both – the choice is yours. This course will position you for a challenging and rewarding career in today's information-rich and technologydriven age.

Entry Requirements

Domestic students: A completed recognised Level 7 Bachelor Degree in any discipline with a minimum GPA of 4 (on a 7 point scale). International students: A completed recognised Level 7 Bachelor Degree in any discipline with a minimum GPA of 4 (on a 7 point scale). IELTS overall band score of 6.5 with no sub-band below 6.0, or equivalent.

Course Completion Rules

Students should meet the following requirements before they are able to complete the IN22 program:

• Students are required to complete 192 credit points of units.

• Students are required to complete 60cp of core units comprising a research methods (12cp) unit and 48cp of research project work;

Students are required to complete 96cp major comprising 8, 12cp units; and
Students are required to complete 36cp of elective units including suitable units from the MBPM and the MIT

Why Study Information Science ?

Through this degree you will develop a broad understanding of the information science discipline with strong skills in a major selected from Information Management, or Library and Information Practice. The degree will position you to become a professional in a rapidly changing, technology driven and information rich world, having the communication, interpersonal skills and teamwork skills needed to work effectively in a global environment.

Professional Membership

Graduate eligible for membership of the Australian Library and Information Association (ALIA)

Flexible Delivery

This degree is designed to suit your busy lifestyle. Classes run in the evenings and many of the core units can be taken online, face-to-face or a mix of both - the choice is yours.

Domestic Course structure

This degree prepares you for entry into the dynamic and exiting world of the information industry. It has been designed to provide a rich and stimulating learning environment that helps you to develop the skills, knowledge and attitudes needed by contemporary information professionals. You will acquire the knowledge and expertise required to design, plan, develop, manage and evaluate



Master of Information Science

information services to meet the information needs of clients. A hands-on and real world based curriculum gives you the opportunity to explore a wide range of areas within the information field and gain deep understanding within your chosen speciality such as information management or library and information practice.

International Course structure

This degree prepares you for entry into the dynamic and exiting world of the information industry. It has been designed to provide a rich and stimulating learning environment that helps you to develop the skills, knowledge and attitudes needed by contemporary information professionals. You will acquire the knowledge and expertise required to design, plan, develop, manage and evaluate information services to meet the information needs of clients. A hands-on and real world based curriculum gives you the opportunity to explore a wide range of areas within the information field and gain deep understanding within your chosen speciality such as information management or library and information practice.



Year	2021
QUT code	IN22
CRICOS	083058F
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
International fee (indicative)	2018: \$28,700 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Jason Watson
Discipline Coordinator	AskQUT +61 7 3138 2000 ask@qut.edu.au

Domestic Entry requirements Academic entry requirement

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

International Entry requirements Academic entry requirement

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Planning your enrolment and key dates

Enrolment is undertaken on your Study Plan in QUT Virtual. Read the information under the Course Structure tab, note your important enrolment key dates, then access your Study Plan to enrol. More information about Study Plans.

Overview

The Graduate Certificate in Insolvency and Restructuring:

• Will boost your career by completing this specialised qualification in insolvency and restructuring.

• Provide you with in depth knowledge to understand and manage insolvency and restructuring issues

• Is delivered by professors and practitioners who have extensive experience in insolvency and restructuring. They will share their personal expertise to benefit your career

• Is available online, Australia-wide, with optional workshops in selected major capital cities

Aim

The course aims to provide suitably qualified graduates with a unique and specialist course responding directly to the needs of Australian and international practitioners in insolvency, restructuring and turnaround solutions. Comprising three core units and the choice of one elective, the course material will be presented in mostly modular format and will be developed according to the contemporary and up-to-the-minute needs of the industry. The course will deal with corporate and personal insolvency, placing an emphasis on corporate insolvency. It will examine turnaround and restructuring options and further, will focus on the protocols in ethics and professional responsibility to be cultivated in the insolvency practitioner. The course will also work to develop a suitable sense of commercial judgement in the emerging insolvency professional.

Entry Requirements

Domestic students

A recognised Bachelor degree or higher in law, accounting, economics or finance.

International Students

The course is not available to international student visa holders. It is available in an external mode only.

English Language Requirements

IELTS Overall 6.5 (with no sub-score less than 6.0) or equivalent accepted by QUT.

2015 Course Structure

Students admitting in 2015 semester one or two will complete one unit only per semester:

Semester 1: LWN805 Restructuring, Professionalism and Ethics in Insolvency Practice

5TP4: LWN803 Cross Border Insolvency or

Semester 2: LWN804 Regulatory Issues Impacting Insolvency Practice

Course Structure

The course consists of three core units and one elective. LWN801 Insolvency Law and Professional Practice 1; LWN802 Insolvency Law and Professional Practice 2; and LWN805 Restructuring, Professionalism



and Ethics in Insolvency Practice

Choose one elective unit: LWN803 Cross-Border Insolvency or LWN804 Regulatory Issues Impacting **Insolvency Practice**

Further study options This qualification articulates into the Master of Laws (for those with a Law Degree) or the Master of Applied Law (for non-law profesionals) for additional career development. On completion of this Graduate Certificate, you can apply for four units advanced standing toward either of these Masters Programs.

More Information

School of Law Phone: 3138 2839 email: lawandjustice@qut.edu.au



Year	2021
QUT code	IN22
CRICOS	083058F
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point
International fee (indicative)	2018: \$28,700 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Jason Watson
Discipline Coordinator	AskQUT +61 7 3138 2000 ask@qut.edu.au

Domestic Entry requirements Academic entry requirement

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

International Entry requirements Academic entry requirement

A completed recognised bachelor degree in any discipline with a minimum grade point average (GPA) score of 4.0 (on QUT's 7 point scale).

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

Librarians empower people by connecting them with information. Libraries provide access to information and technology, as well as programs and services that support business, government and education. They support individuals' lifelong learning and leisure pursuits and assist people to develop literacies.

This degree will prepare you for a rewarding career as a librarian. It has been designed to provide a dynamic, rich and stimulating learning experience that helps you to develop the skills, knowledge and attitudes needed by contemporary information professionals. You will learn how to design, plan, implement, manage and evaluate information services to meet the needs of clients. You will also learn about the management, curation and preservation of information artifacts, as well as the applications of emerging technologies in information practice. In addition to core skills and knowledge related to information practice, you will develop the communication, interpersonal and teamwork skills needed to work effectively in a global environment.

A hands-on, real world based curriculum gives you the opportunity to explore the information professions broadly and to

gain a deep understanding of library and information practice.

Flexible Learning

This degree is designed to suit your busy lifestyle. Our flexible approach to teaching allows you to study online or face-to-face, or a mix of both. A blend of on campus classes, online classes, and class recordings provide you with options for how, when and where you engage with unit material.

Why choose this course?

Are you looking for a career in librarianship or the information professions more broadly? In this rapidly changing, technology driven and information rich age, careers in the information professions are varied and exciting. In this course, you will explore the interrelationships between information, technology and people and develop specialist skills and knowledge that will equip you for a variety of roles in the information professions.

Our innovative, flexible approaches to teaching and learning allow you to balance study with your other commitments.

Real world learning

The degree aims to prepare students for work as information professional through a program of study that balances theoretical content, project based experiences and industry orientated perspectives.

During your studies, you will:
Undertake authentic learning and assessment activities that set the key learning activities within actual libraries and information centres or interacting directly with industry practitioners.
Hear from invited speakers who present their own employment situation as an example of the topic or theme covered in the class.

• Explore real world or research inspired problems within units.

Undertake industry based research projects, undertaken with both an industry supervisor and an academic supervisor.
Participate in the QUT Career Mentoring Scheme where students are partnered with a current industry practitioner for 6 months.

Career outcomes

As a graduate of this course, you will be ready to take on a career as a librarian, specialist librarian, database manager,



Master of Information Science (Library and Information Practice)

web content manager, information architect, cataloguer, knowledge manager, or intranet manager.

Employment opportunities are extensive. Your ALIA accredited qualification can take you into a range of libraries, including

- academic libraries
- public libraries

• state and national libraries

• special libraries and information centres such as

o law libraries

- o health and medical centres
- o music libraries.

Opportunities also exist beyond traditional library contexts, including careers in

- knowledge management
- records management
- web and intranet development
- research, development and policy.

Professional recognition

As a graduate, you will be eligible for membership of the Australian Library and Information Association (ALIA).

Research pathways

This Masters degree provides a pathway to a research degree (Research Masters, Professional Doctorate or PhD). Students who successfully complete IFN600 Research Based Practice and a 48 credit point research project are encouraged to apply for enrolment in a doctoral program. IN22 provides direct pathways for entry to a PhD program as well as to the Faculty's Professional Doctorate, Doctor of Information Technology.

Sample Structure Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2

Code	Title	
Year 1, S	emester 1	
IFN610	Management Issues for Information Professionals	
IFN611	Information Retrieval	
IFN612	Emerging Technologies for Information Practice	
IFN620	Professional Practice	
Year 1, Semester 2		
IFN614	Information Programs	
IFN615	Information Management	
IFN616	Online Information Services	
IFN617	Managing and Organising Collections	
Year 2, Semester 1		

IFN600	Understanding Research	
[IFN600 is replaced by]		
IFN711	IT Industry Project	
[IFN702 is 2020]	s replaced by IFN711 from	
Select 1 unit from the Information Science Options List		
Year 2, S	emester 2	
IFN712	Research in IT Practice	
[IFN701 is 2020]	s replaced by IFN701 from	
Select 1 u Science 0	init from the Information Options List	
Select 1	init from the Information	

Science Options List



Year	2021
QUT code	IN23
CRICOS	062622A
Duration (full-time)	1.5 years
Duration (part-time domestic)	3 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$24,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,600 per year full-time (96 credit points)
Total credit points	144
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Syed Abbas Zaidi
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements 1.5 year program

 A recognised bachelor degree (or higher qualification) in business or information technology with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale).

1 year program

- A recognised bachelor honours degree in business or information technology with a minimum grade point average of 4.00 (on QUT's 7 point scale); or
- A recognised graduate diploma (or higher) in business or information technology with a minimum grade point average of 4.00 (on QUT's 7 point scale); or
- Completion of QUT's <u>Graduate</u> <u>Certificate in Business Process</u> <u>Management</u> with a minimum grade point average of 4.00; *or*
- A recognised bachelor degree in business or information technology plus graduate certificate in business or information technology each with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale).

International Entry requirements

1.5 year program

A completed recognised bachelor degree in business or information technology with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale).

1 year program

A completed Australian honours bachelor degree in information technology or business with a minimum grade point average of 4.00 (on QUT's 7 point scale); *or*

A completed recognised graduate diploma in information technology or business with a minimum grade point average of 4.00 (on QUT's 7 point scale).

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.5
Listening	6.0

Reading	6.0
Writing	6.0
Speaking	6.0

Course Overview

The Master of Business Process Management will provide graduates with the skills and knowledge to create and align information systems to effectively support business and enable business strategy. The program examines business-IT alignment issues through appropriate theory and skill development, and provides career enhancement opportunities into senior management and governance roles. Students will study specialist units in Business Process Management specialisation and may undertake additional study in the areas of corporate systems, IT professional services, enterprise architecture and systems, and information and knowledge management.

Course Structure

To be eligible for the Master of Business Process Management (IN23): • Students are required to complete 144 credit points of units.

Students are required to complete the specified core units (120cp) which includes 48cp in specialist Business Process Management units
Students must also complete two units (24cp) of electives from the list of approved elective units provided.

Domestic Course structure

The Master of Business Process Management provides graduates with the skills and knowledge to create and align information systems to effectively support business and enable business strategy. The program examines business-IT alignment issues through appropriate theory and skill development, and provides career enhancement opportunities into senior management and governance roles.

Students will study specialist units in Business Process Management specialisation and may undertake additional study in the areas of corporate systems, IT professional services, enterprise architecture and systems, and information and knowledge management.

Course completion rules

- Students are required to complete 144 credit points of units.
- Students are required to complete the specified core units (96cp)
- Students must also complete four



units (48cp) of electives from the list of approved elective units provided. NB: *If you have no BPM Background, you should complete IFN515 Fundamentals of BPM in your first semester*

International Course

structure

The Master of Business Process Management provides graduates with the skills and knowledge to create and align information systems to effectively support business and enable business strategy. The program examines business-IT alignment issues through appropriate theory and skill development, and provides career enhancement opportunities into senior management and governance roles.

Students will study specialist units in Business Process Management specialisation and may undertake additional study in the areas of corporate systems, IT professional services, enterprise architecture and systems, and information and knowledge management.

Course completion rules

- Students are required to complete 144 credit points of units.
- Students are required to complete the specified core units (96cp)
- Students must also complete four units (48cp) of electives from the list of approved elective units provided. NB: If you have no BPM Background, you should complete IFN515 Fundamentals of BPM in your first semester

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1

Code	Title	
Year 1, S	emester 1	
IFN515	Fundamentals of Business Process Management	
Master BPM Option Unit		
Master BPM Option Unit		
Master BPM Option Unit		
Year 1, Semester 2		
IFN652	Enterprise Business Process Management	
IFN653	Business Process Automation	
IFN712	Research in IT Practice	
Year 2, Semester 1		
IFN650	Business Process Analytics	
IFN711	IT Industry Project	



^{aut} Master of Data Analytics

Year	2021
QUT code	IN27
CRICOS	098601J
Duration (full-time domestic)	1 - 2 years
Duration (full-time international)	2 years
Duration (part-time domestic)	2 - 4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$24,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,100 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Associate Professor Yue Xu, Professor Chris Drovandi
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

2 year program

A recognised bachelor degree (or higher qualification) in any discipline with a minimum grade point average (GPA) of 4.00 (on QUT's 7 point scale).

1.5 year program

A recognised bachelor degree (or higher qualification) in information technology or mathematics with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale).

1 year program

- A recognised bachelor honours degree in information technology or mathematics with a minimum grade point average of 4.00 (on QUT's 7 point scale)
- A recognised bachelor degree in information technology or mathematics with a minimum grade point average (GPA) score of 4.00 (on QUT's 7 point scale) *plus* completion with a minimum grade point average (GPA) score of 4.00 of one of QUT's: <u>Graduate</u> <u>Certificate in Business</u> <u>AnalysisGraduate Certificate in</u> <u>Computer ScienceGraduate</u> <u>Certificate in Cyber Security and</u> <u>NetworksGraduate Certificate in</u> <u>Data Analytics</u>

International Entry requirements Academic entry requirements

1.5 year program

You must have a completed recognised bachelor degree in information technology or mathematics (or related field), with a minimum grade point average of 4.00 (on QUT's 7 point scale).

2 year program

You must have a completed recognised bachelor degree in any discipline with a minimum grade point average of 4.0 (on QUT's 7 point scale).

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure

To meet the course requirements for the Master of Data Analytics, you must complete 192 credit points of course units, consisting of:

- 48 credit points of core units
- 96 credit points of discpline units from your selected Major, or a range of units from across the majors if you choose not to nominate a major.
- 48 credit points of data analytics related elective units selected from an approved list of units, which is drawn from units offered in each of the majors.

Study Areas:

Choose your major in the following specialisation areas -

- Biomedical Data Science;
- Computational Data Science;
- Statistical Data Science; or
- No Major option

Students in the 1.5 year program

Please note: study plans are determined based on prior qualifications. The placement of the 48 credit point reduction across the study plan may vary between students. Clarification can be sought from the Course Coordinators once admitted.

International Course structure

To meet the course requirements for the Master of Data Analytics, you must complete 192 credit points of course units, consisting of:

- 48 credit points of core units
- 96 credit points of discpline units from your selected Major, or a range of units from across the majors if you choose not to nominate a major.
- 48 credit points of data analytics related elective units selected from an approved list of units, which is drawn from units offered in each of the majors.

Study Areas:

Choose your major in the following specialisation areas -

- Biomedical Data Science;
- Computational Data Science;
- Statistical Data Science; or
- No Major option

Students in the 1.5 year program

Please note: study plans are determined based on prior qualifications. The placement of the 48 credit point reduction across the study plan may vary between



students. Clarification can be sought from the Course Coordinators once admitted.

Sample Structure

Semesters

- Suggested Study Plan
- Semester 1 (February)
- commencements
- <u>Semester 2 (July) commencements</u>
- <u>Semester 1 (February)</u> <u>commencements - Math cognate</u> <u>entrant</u>
- <u>Semester 2 (July) commencements</u>
 <u>- Math cognate entrant</u>
- <u>Semester 1 (February)</u> <u>commencements - IT cognate</u> <u>entrant</u>
- Semester 2 (July) commencements
 IT cognate entrant
- Unit Sets
- <u>Core Units</u>
- Professional Preparations Units
- Advanced Units
- <u>Elective Units</u>

Code Title

Suggested Study Plan Semester 1 (February) commencements Year 1, Semester 1 Data Analytics for Strategic **IFN619 Decision Makers Professional Preparation Unit 1** Professional Preparation Unit 2 Elective Unit 1 Year 1, Semester 2 INN700 Introduction to Research **Professional Preparation Unit 3 Professional Preparation Unit 4** Advanced Unit 1 Year 2, Semester 1 IFN703 Advanced Project Advanced Unit 2 Elective Unit 2 **Elective Unit 3** Year 2, Semester 2 IFN704 Advanced Project 2 Advanced Unit 3 Advanced Unit 4 **Elective Unit 4** Semester 2 (July) commencements Year 1, Semester 2 INN700 Introduction to Research **Professional Preparation Unit 1 Professional Preparation Unit 2** Elective Unit 1 Year 2. Semester 1 Data Analytics for Strategic **IFN619 Decision Makers Professional Preparation Unit 3** Professional Preparation Unit 4

Advanced Unit 1 Year 2, Semester 2 IFN703 Advanced Project Advanced Unit 2 Elective Unit 2 Elective Unit 3 Year 3. Semester 1 IFN704 Advanced Project 2 Advanced Unit 3 Advanced Unit 4 Elective Unit 4 Semester 1 (February) commencements - Math cognate entrant For 1.5 years program - Math background entrants Year 1, Semester 1 Data Analytics for Strategic **IFN619 Decision Makers** INN700 Introduction to Research **Professional Preparation Unit 1 Elective Unit 1** Year 1, Semester 2 IFN703 Advanced Project **Professional Preparation Unit 2** Advanced Unit 1 Advanced Unit 2 Year 2, Semester 1 IFN704 Advanced Project 2 Advanced Unit 3 Advanced Unit 4 Elective Unit 2 Semester 2 (July) commencements -Math cognate entrant For 1.5 years program - Math background entrants Year 1, Semester 2 INN700 Introduction to Research **Professional Preparation Unit 1 Professional Preparation Unit 2** Elective Unit 1 Year 2. Semester 1 Data Analytics for Strategic IFN619 **Decision Makers** Advanced Unit 1 Advanced Unit 2 Elective Unit 2 Year 2, Semester 2 IFN703 Advanced Project IFN704 Advanced Project 2 Advanced Unit 3 Advanced Unit 4 Semester 1 (February) commencements - IT cognate entrant For 1.5 years program - IT background entrants

Year 1, S	emester 1
IFN619	Data Analytics for Strategic Decision Makers
INN700	Introduction to Research
Professio	nal Preparation Unit 1
Elective L	Jnit 1
Year 1, S	emester 2
IFN703	Advanced Project
Professio	nal Preparation Unit 2
Advanced	d Unit 1
Advanced	d Unit 2
Year 2. S	emester 1
IFN704	Advanced Project 2
Advanced	d Unit 3
Advanced	1 Unit 4
Flective I	Init 2
Semester	2 (July) commencements _ JT
cognate e	entrant
For 1.5 ye	ears program - IT background
Year 1. S	emester 2
INN700	Introduction to Research
Professio	nal Preparation Unit 1
Professio	nal Preparation Unit 2
Flective l	Jnit 1
Year 2 S	emester 1
10012,0	Data Analytics for Strategic
IFN619	Decision Makers
Advanced	d Unit 1
Advanced	d Unit 2
Elective L	Jnit 2
Year 2. S	emester 2
IFN703	Advanced Project
IFN704	Advanced Project 2
Advanced	1 I Init 3
Advanced	
Lipit Sote	
Coro Unit	
	s Introduction to Research
	Data Analytics for Stratogic
IFN619	Decision Makers
IFN703	Advanced Project
IFN704	Advanced Project 2
Professio	nal Preparations Units
Select 48	credit points from the options
list:	
IFN509	Data Exploration and Mining
IFN515	Fundamentals of Business Process Management
IFN552	Systems Analysis and Design
IFN554	Databases
IFN555	Introduction to Programming
IFN556	Object Oriented Programming
MXN500	Statistical Data Analysis



Master of Data Analytics

MXN501	Stochastic Modelling	
Advanced Units		
Select 48 credit points from the options list:		
CAB420	Machine Learning	
IFN645	Large Scale Data Mining	
IFN646	Biomedical Data Science	
IFN647	Text, Web and Media Analytics	
IFN650	Business Process Analytics	
MXN600	Advanced Statistical Data Analysis	
MXN601	Advanced Stochastic Modelling	
Elective I	Inito	

lective Unit

Please refer to the MDA Elective Unit Options structure under 'Unit Lists' section at the bottom of the page

Semesters

- Semester 1 (February)
- **commencement**
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2 ٠
- ٠
- Semester 2 (July) commencement
- Year 1, Semester 2 •
- Year 2, Semester 1 Year 2, Semester 2 •
- Year 3, Semester 1

• Code Title Semester 1 (February) commencement Year 1, Semester 1 Data Analytics for Strategic IFN619 **Decision Makers IFN552** Systems Analysis and Design IFN554 Databases (note: IFN552 (6cp) and IFN554 (6cp) to be taken in pairs) IFN509 Data Exploration and Mining IFN555 Introduction to Programming IFN556 **Object Oriented Programming** (note: IFN555 (6cp) and IFN556 (6cp) to be taken in pairs)

Year 1. Semester 2

Elective unit

,		
INN700	Introduction to Research	
IFN563	Object Oriented Design	
IFN564	Data Structures and Algorithms	
(note: IFN be taken i	l563 (6cp) and IFN564 (6cp) to in pairs)	
Major option unit (List 1)		
Elective unit		
Year 2, Semester 1		
IFN703	Advanced Project	
Major option unit (List 2)		

Elective u	init
Year 2, S	emester 2
IFN704	Advanced Project 2
Major opt	ion unit (List 1)
Major opt	ion unit (List 2)
Elective u	init
Semester	2 (July) commencement
Year 1, S	emester 2
INN700	Introduction to Research
IFN552	Systems Analysis and Design
IFN554	Databases
(note: IFN be taken i	I552 (6cp) and IFN554 (6cp) to in pairs)
IFN509	Data Exploration and Mining
IFN555	Introduction to Programming
IFN556	Object Oriented Programming
(note: IFN be taken i	I555 (6cp) and IFN556 (6cp) to in pairs)
Year 2, S	emester 1
IFN619	Data Analytics for Strategic Decision Makers
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
(note: IFN be taken i	I563 (6cp) and IFN564 (6cp) to in pairs)
Major opt	ion unit
Elective u	init
Year 2, S	emester 2
IFN703	Advanced Project
Major opt	ion unit
Major opt	ion unit
Major opt	ion unit
Year 3, S	emester 1
IFN704	Advanced Project 2
Elective u	init
Elective u	init
Elective u	init
Somosto	rc.
• Sem	ester 1 (February)
com	mencement
 Year 	1, Semester 1
• Year	<u>1, Semester 2</u>
	<u>2, Semester 1</u>
- 100	Z, OCHICOLOF Z

- Semester 2 (July) commencement
- Year 1, Semester 2
- Year 2, Semester 1 .
- Year 2, Semester 2
- Year 3, Semester 1

Code Title Semester 1 (February) commencement Year 1, Semester 1 MXN500 Statistical Data Analysis Data Analytics for Strategic **IFN619** Decision Makers

	introduction to r rogramming
IFN556	Object Oriented Programming
(note: IFN	I555 (6cp) and IFN556 (6cp) to
be taken i	in pairs)
Elective u	init
Year 1, S	emester 2
MXN501	
	Introduction to Research
IFN509	Data Exploration and Mining
Elective u	nil
real 2, 5	Advanced Stephentic
MXN601	Modelling
IFN703	Advanced Project
Major opt	ion unit
Elective u	nit
Year 2, S	emester 2
MXN600	Advanced Statistical Data Analysis
IFN704	Advanced Project 2
Major opt	ion unit
Elective u	nit
Semester	2 (July) commencement
Year 1, S	emester 2
MXN501	Stochastic Modelling
INN700	Introduction to Research
IFN555	Introduction to Programming
IFN556	Object Oriented Programming
(note: IFN	I555 (6cp) and IFN556 (6cp) to
he telion	
be taken i Elective u	unit
be taken i Elective u	nit
be taken i Elective u Year 2, S	nit emester 1 Statistical Data Analysis
be taken i Elective u Year 2, S MXN500 IFN619	nit emester 1 Statistical Data Analysis Data Analytics for Strategic
be taken i Elective u Year 2, S MXN500 IFN619	nit emester 1 Statistical Data Analysis Data Analytics for Strategic Decision Makers
be taken i Elective u Year 2, S MXN500 IFN619 IFN509	nit emester 1 Statistical Data Analysis Data Analytics for Strategic Decision Makers Data Exploration and Mining
be taken i Elective u Year 2, S MXN500 IFN619 IFN509 Elective u	nit emester 1 Statistical Data Analysis Data Analytics for Strategic Decision Makers Data Exploration and Mining nit
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be taken i Elective u Year 2, S MXN500 IFN619 IFN509 Elective u Year 2, S MXN600	nit emester 1 Statistical Data Analysis Data Analytics for Strategic Decision Makers Data Exploration and Mining nit emester 2 Advanced Statistical Data Analysis
be taken i Elective u Year 2, S MXN500 IFN619 IFN619 IFN509 Elective u Year 2, S MXN600 IFN703	nit emester 1 Statistical Data Analysis Data Analytics for Strategic Decision Makers Data Exploration and Mining nit emester 2 Advanced Statistical Data Analysis Advanced Project
be taken i Elective u Year 2, S MXN500 IFN619 IFN509 Elective u Year 2, S MXN600 IFN703 Major opt	nit emester 1 Statistical Data Analysis Data Analytics for Strategic Decision Makers Data Exploration and Mining nit emester 2 Advanced Statistical Data Analysis Advanced Project ion unit
be taken i Elective u Year 2, S MXN500 IFN619 IFN509 Elective u Year 2, S MXN600 IFN703 Major opt Elective u	nit emester 1 Statistical Data Analysis Data Analytics for Strategic Decision Makers Data Exploration and Mining nit emester 2 Advanced Statistical Data Analysis Advanced Project ion unit nit
be taken i Elective u Year 2, S MXN500 IFN619 IFN509 Elective u Year 2, S MXN600 IFN703 Major opt Elective u Year 3, S	init emester 1 Statistical Data Analysis Data Analytics for Strategic Decision Makers Data Exploration and Mining nit emester 2 Advanced Statistical Data Analysis Advanced Project ion unit nit emester 1
be taken i Elective u Year 2, S MXN500 IFN619 IFN509 Elective u Year 2, S MXN600 IFN703 Major opt Elective u Year 3, S MXN601	init emester 1 Statistical Data Analysis Data Analytics for Strategic Decision Makers Data Exploration and Mining nit emester 2 Advanced Statistical Data Analysis Advanced Project ion unit nit emester 1 Advanced Stochastic Modelling
be taken i Elective u Year 2, S MXN500 IFN619 IFN509 Elective u Year 2, S MXN600 IFN703 Major opt Elective u Year 3, S MXN601 IFN704	nit emester 1 Statistical Data Analysis Data Analytics for Strategic Decision Makers Data Exploration and Mining nit emester 2 Advanced Statistical Data Analysis Advanced Project ion unit nit emester 1 Advanced Stochastic Modelling Advanced Project 2
be taken i Elective u Year 2, S MXN500 IFN619 IFN509 Elective u Year 2, S MXN600 IFN703 Major opt Elective u Year 3, S MXN601 IFN704 Major opt	nit emester 1 Statistical Data Analysis Data Analytics for Strategic Decision Makers Data Exploration and Mining nit emester 2 Advanced Statistical Data Analysis Advanced Project ion unit emester 1 Advanced Stochastic Modelling Advanced Project 2 ion unit
be taken i Elective u Year 2, S MXN500 IFN619 IFN509 Elective u Year 2, S MXN600 IFN703 Major opt Elective u Year 3, S MXN601 IFN704 Major opt Elective u	init emester 1 Statistical Data Analysis Data Analytics for Strategic Decision Makers Data Exploration and Mining nit emester 2 Advanced Statistical Data Analysis Advanced Project ion unit nit emester 1 Advanced Stochastic Modelling Advanced Project 2 ion unit init



Year	2021
QUT code	PH80
CRICOS	043548G
Duration (full-time)	1.5 years
Duration (part-time domestic)	3 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,500 per year full-time (96 credit points)
International fee (indicative)	2021: \$33,200 per year full-time (96 credit points)
Total credit points	144
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Dr Andrew Fielding; ph: +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

A recognised bachelor degree (or higher qualification) in one of the following fields:

- Biomedical, medical, medical electronics etc engineering
- Biophysics
- Electrical, avionics etc engineering
- Geophysics
- Mechanical engineering
- Medical physics
- Physics

The following degrees (or higher qualification) are not acceptable:

- Medical imaging
- Radiotherapy
- Medical radiation

International Entry requirements Academic entry requirements

A completed recognised bachelor degree (or higher award) in physics or in science with a major in physics.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Course Design

Stage 1— Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full time students will need an average of 14 hours a week of formal contact (seven hours for parttime students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2— Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

Professional Recognition

The course is accredited by the Australasian College of Physical Sciences and Engineers in Medicine.

Domestic Course structure

Stage 1—Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full-time students will need an average of 14 hours a week of formal contact (seven hours for part-time students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2—Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

International Course structure

Stage 1—Graduate Diploma (PH71) comprises assessed coursework such as advanced lectures, seminars, reading units or independent study. Full-time students will need an average of 14 hours a week of formal contact (seven hours for parttime students). Students can graduate with a Graduate Diploma in Medical Physics after satisfactory completion of Stage 1.

Stage 2—Master of Applied Science (PH80) students undertake a program of supervised research and investigation that can be completed at QUT or in a suitable external institution.

Sample Structure

Semesters

- STAGE 1: Students must complete units from the list below, totalling 96 credit points:
- Year 1, Semester 1 (February to June)
- Year 1, Semester 2 (July to October)
- <u>STAGE 2: Project over One</u> Semester or Summer Program

Title		
STAGE 1: Students must complete units from the list below, totalling 96 credit points:		
Year 1, Semester 1 (February to June)		
Total Quality Management		
Advancing Anatomy and Physiology		
Radiation Physics		
Physics of Medical Imaging		
Year 1, Semester 2 (July to October)		
Medical Imaging Science		
Radiotherapy		



Master	of Applied Science (Medic	al Physics)
PCN214	Health and Occupational Physics	
PCN218	Research Methodology and Professional Studies	

STAGE 2: Project over One Semester or Summer Program

PCN520 Project (FT)



Year	2021
QUT code	IF80
CRICOS	095410G
Duration (full-time domestic)	1.5 - 2 years
Duration (full-time international)	2 years
Duration (part-time domestic)	4 years
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: \$26,800 - \$33,300 per year full-time if you exceed the maximum time under RTP
International fee (indicative)	2021: \$30,300 - \$36,800 per year full-time
Total credit points	144
Start months	December, November, October, September, August, July, June, May, April, March, February, January
Int. Start Months	December, November, October, September, August, July, June, May, April, March, February, January
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements

To be eligible for this course, you need either:

- a completed recognised bachelor honours degree in a discipline relevant to your intended area of study or
- a completed recognised bachelor degree or equivalent in a discipline relevant to your intended area of study with: a minimum grade point average (GPA) score of 5.00 (on QUT's 7 point scale)relevant professional and/or research experience (as determined by the faculty).

Applications and proposed research projects are subject to supervisor availability and resources available within the faculty.

International Entry requirements

To be eligible for this course, you need either:

- a completed recognised bachelor honours degree in a discipline relevant to your intended area of study or
- a completed recognised bachelor degree or equivalent in a discipline relevant to your intended area of study with: a minimum grade point average (GPA) score of 5.00 (on QUT's 7 point scale)relevant professional and/or research experience (as determined by the faculty).

Applications and proposed research projects are subject to supervisor availability and resources available within the faculty.

Minimum English

requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Domestic Course structure Mandatory units

You'll need to complete:

- a time-based thesis
- IFN001 Advanced Information

Research Skills.

You may need to complete other units that are recommended by your faculty, negotiated with you and based on the skills gaps identified in your research degree skills audit.

Study areas

Your faculty may have several specialisations (study areas) that your research will align with. This will appear on your testamur at graduation:

Business

- Master of Philosophy (Accountancy)
- Master of Philosophy (Advertising)
- Master of Philosophy (Economics)
- Master of Philosophy (Entrepreneurship and Innovation)
- Master of Philosophy (Finance)
- Master of Philosophy (Human Resource Management)
- Master of Philosophy (International Business)
- Master of Philosophy (Management)
- Master of Philosophy (Marketing)
- Master of Philosophy (Philanthropy and Nonprofit Studies)
- Master of Philosophy (Public Relations)

Creative Industries

- Master of Philosophy (Design)
- Master of Philosophy (Communication)
- Master of Philosophy (Creative Practice)

Education

Master of Philosophy (Education)

Health

- Master of Philosophy (Biomedical Sciences)
- Master of Philosophy (Exercise Sciences)
- Master of Philosophy (Materiobiology)
- Master of Philosophy (Medical Radiations)
- Master of Philosophy (Nursing)
- Master of Philosophy (Nutrition and Dietetics)
- Master of Philosophy (Optometry)
 Master of Philosophy (Paramedicine)
- Master of Philosophy (Pharmacy)
- Master of Philosophy (Physical
- Education)
- Master of Philosophy (Podiatry)
 Master of Philosophy (Public
- Master of Philosophy (Public Health)
- Master of Philosophy (Psychology)
- Master of Philosophy (Social Work)



Law

- Master of Philosophy (Law)
- Master of Philosophy (Justice)

Science and Engineering

- Master of Philosophy (Engineering)Master of Philosophy (Information
- Technology)Master of Philosophy (Magnetic
- Resonance in Medicine)
- Master of Philosophy (Mathematics)
 Master of Philosophy (Science)
- Master of Philosophy (Science)
 Master of Philosophy (Urban Development)

International Course structure

Mandatory units

- You'll need to complete:
 - a time-based thesis
 - IFN001 Advanced Information Research Skills.

You may need to complete other units that are recommended by your faculty, negotiated with you and based on the skills gaps identified in your research degree skills audit.

Study areas

Your faculty may have several specialisations (study areas) that your research will align with. This will appear on your testamur at graduation:

Business

- Master of Philosophy (Accountancy)
- Master of Philosophy (Advertising)
- Master of Philosophy (Economics)
- Master of Philosophy
- (Entrepreneurship and Innovation)
- Master of Philosophy (Finance)
- Master of Philosophy (Human Resource Management)
- Master of Philosophy (International Business)
- Master of Philosophy (Management)
- Master of Philosophy (Marketing)
- Master of Philosophy (Philanthropy and Nonprofit Studies)
- Master of Philosophy (Public Relations)

Creative Industries

- Master of Philosophy (Design)
- Master of Philosophy
- (Communication)
- Master of Philosophy (Creative Practice)

Education

Master of Philosophy (Education)

Health

- Master of Philosophy (Biomedical Sciences)
- Master of Philosophy (Exercise Sciences)
- Master of Philosophy

(Materiobiology)

- Master of Philosophy (Medical Radiations)
- Master of Philosophy (Nursing)
- Master of Philosophy (Nutrition and Dietetics)
- Master of Philosophy (Optometry)
- Master of Philosophy (Paramedicine)
- Master of Philosophy (Pharmacy)
- Master of Philosophy (Physical Education)
- Master of Philosophy (Podiatry)
- Master of Philosophy (Public
 - Health)
- Master of Philosophy (Psychology)
- Master of Philosophy (Social Work)

Law

- Master of Philosophy (Law)
- Master of Philosophy (Justice)

Science and Engineering

- Master of Philosophy (Engineering)
 Master of Philosophy (Information
- Technology)Master of Philosophy (Magnetic Resonance in Medicine)
- Master of Philosophy (Mathematics)
- Master of Philosophy (Science)
- Master of Philosophy (Urban Development)


Year	2021
QUT code	IF49
CRICOS	006367J
Duration (full-time domestic)	3 - 4 years
Duration (full-time international)	4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$26,800 - \$33,300 per year full-time if you exceed the maximum time under RTP
International fee (indicative)	2021: \$30,300 - \$36,800 per year full-time
Total credit points	288
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	December, November, October, September, August, July, June, May, April, March, February, January
Int. Start Months	December, November, October, September, August, July, June, May, April, March, February, January
Discipline Coordinator	3138 2000 askqut@qut.edu.au

Domestic Entry requirements Academic entry requirements

You must have either:

- a completed recognised relevant honours degree (first class or second class Division A) or equivalent
- a completed recognised masters degree or professional doctorate (by research or coursework)

Admission to the Doctor of Philosophy depends on an applicant's demonstrated research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

For more information on eligibility, read the <u>admission criteria for the Doctor of</u> <u>Philosophy (PDF, 98.5KB)</u>.

Once you've started your PhD, you'll need to complete your Stage 2 milestone to be fully admitted to your course. You'll usually complete this milestone within the first three months of study.

Masters and professional doctorate degrees by coursework must have a significant research component, normally not less than 25%. Holders of masters and professional doctorate by coursework must:

- have a minimum grade point average (GPA) score of 5.0 on QUT's 7 point scale; and
- present evidence of research experience and potential for approval

International Entry requirements

Academic entry requirements You must have either:

- a completed recognised relevant honours degree or equivalent
- a completed recognised masters degree or professional doctorate (by research or coursework)

Masters and professional doctorate degrees by coursework must have a significant research component, normally not less than 25%. Holders of masters and professional doctorate by coursework must:

- have a minimum grade point average (GPA) score of 5.0 on QUT's 7 point scale; and
- present evidence of research experience and potential for approval

Admission to the Doctor of Philosophy depends on an applicant's demonstrated

research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

Once you've started your PhD, you'll need to complete your Stage 2 milestone to be fully admitted to your course. You'll usually complete this milestone within the first three months of study.

For more information on eligibility, read the <u>admission criteria for the Doctor of</u> <u>Philosophy (PDF, 98.5KB)</u>.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	6.5	
Listening	6.0	
Reading	6.0	
Writing	6.0	
Speaking	6.0	

Overview

The Doctor of Philosophy (PhD) offers the opportunity to work with an experienced supervisory research team to make a significant and original contribution to disciplinary knowledge. A PhD candidate's research must reveal high critical ability and powers of imagination and synthesis and may be, depending on discipline, demonstrated in the form of new knowledge or significant and original adaptation, application and interpretation of existing knowledge. This world-class program provides a basis for critical inquiry and welcomes collaborative and interdisciplinary research projects. A QUT PhD graduate will be equipped to seek employment in industry, research organisations and universities.

Entry requirements

Admission to the Doctor of Philosophy depends on an applicant's demonstrated research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

An applicant would normally hold: . a relevant first or second class division A honours degree or equivalent, or . an appropriate Masters degree or Professional Doctorate (by research or coursework)

Masters and Professional Doctorates degrees by coursework must contain a



Doctor of Philosophy (Hosted by Faculty of Science)

significant research component, normally no less than 25%.

Holders of Masters and Professional Doctoral by Coursework must:
have a grade point average of at least 5.0 on a 7 point scale and
present evidence of research experience and potential for approval

International Student Entry

Admission to the Doctor of Philosophy depends on an applicant's demonstrated research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

An applicant would normally hold: . a relevant first or second class division A honours degree or equivalent, or . an appropriate Masters degree or Professional Doctorate (by research or coursework)

Masters and Professional Doctorates degrees by coursework must contain a significant research component, normally no less than 25%.

Holders of Masters and Professional Doctoral by Coursework must:
have a grade point average of at least 5.0 on a 7 point scale and
present evidence of research experience and potential for approval

English language proficiency requires International applicants to meet an IELTS overall bandscore of 6.5 with no subscore below 6.0.

FINANCIAL GUARANTEE

Acceptable forms of evidence include: - A letter from an approved employer confirming the continuation of your salary; OR

- A signed Scholarship Agreement between QUT and your sponsoring agency; OR

 An accepted letter of offer from QUT for a postgraduate research scholarship; OR
 An approved external scholarship.

Location & duration

The expected duration of the Doctor of Philosophy is three to four years full-time, or six to eight years part-time. Full-time study is normally conducted on-campus at QUT. Part-time and external study options may be available depending on the project, infrastructure requirements and funding arrangements. Although QUT offers this flexibility, candidates must meet minimum attendance requirements and the university must be satisfied that adequate supervision and resources are available. International student visas require oncampus study to be completed full-time.

Course Structure

QUT adopts a project management approach. PhD candidates work closely with their supervisory team to meet collegially reviewed milestones leading to timely submission of a thesis for examination. QUT is proud of its record of timely completions and low attrition rates realised by this approach.

During candidature the supervisor and other key stakeholders will provide advice and direction to the candidate to encourage their participation in university scholarly activities such as research seminars, teaching and publication. The length of the thesis varies according to the topic, but should normally be no longer than 100,000 words, excluding bibliography.

Fees

Australian citizens and permanent residents will be awarded a Research Training Scheme (RTS) place. Domestic students are not required to apply for an RTS entitlement, as it will be automatically allocated. The RTS covers tuition fees but not other study related costs. PhD Students are entitled to four years full-time equivalent study under these schemes. Students who exceed this entitlement may apply to QUT for extension, however the University may charge fees for the period of the program, which exceeds the student's entitlement. The University determines the fee level for domestic and international students.

Further Information

For further information about this course, please contact: Research Students Centre Phone: +61 7 3138 4475, Email: research.enrolment@qut.edu.au

Science and Engineering Faculty Professor Chris Langton Assistant Dean - Research Phone: +61 7 3138 2595 Email: sef.research@qut.edu.au

Domestic Course structure Course design

Mandatory

- IFN001 Advanced Information
- Retrieval Skills
- Time based Thesis

Other units as agreed by student in negotiation with their supervisor and faculty.

International Course structure

Course design Mandatory

- IFN001 Advanced Information Retrieval Skills
- Time based Thesis

Other units as agreed by student in negotiation with their supervisor and faculty.



QUT

Year	2021
QUT code	MV01
CRICOS	103172A
Duration (full-time)	4 years
ATAR/Selection rank	91.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$4,400 per year full-time (105 credit points)
International fee (indicative)	2021: \$34,300 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

Domestic Entry requirements Additional entry requirements

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements

Additional entry requirements Pass the Initial Teacher

Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written

statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)		
Overall	7.5	
Listening	8.0	
Reading	7.0	
Writing	7.0	
Speaking	8.0	

Domestic Course structure

This course is a vertical double degree, combining MV01 Bachelor of Mathematics with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree,

combining MV01 Bachelor of Mathematics with EU50 Master of Teaching (Secondary).



Bachelor of Mathematics/Master of Teaching (Secondary)

Sample Structure

- **Semesters**
 - Year 1, Semester 1
 - Year 1, Semester 2
 - ٠ Summer
 - Maths options *
 - Year 2, Semester 1 ٠
 - Year 2, Semester 2
 - Year 2, Summer (EU50 Master of • Teaching (Secondary))
 - Year 3, Semester 1 .
 - Year 3, Semester 2 ٠
 - Year 4, Semester 1 Year 4, Semester 2 •
 - •

Code	Title		
Year 1, Semester 1			
MXB101	Probability and Stochastic Modelling 1		
MXB102	Abstract Mathematical Reasoning		
MXB106	Linear Algebra		
MXB105	Calculus and Differential Equations		
Year 1, S	emester 2		
	Introductory Computational		
MXB103	Mathematics		
MXB107	Introduction to Statistical Modelling		
MXB161	Computational Explorations		
MXB241	Probability and Stochastic Modelling 2		
Summer			
Maths Op	otional unit *		
Maths op	tions *		
Select on the list be	e unit (12 credit points) from low.		
MXB100	Introductory Calculus and Algebra		
(Note: Students who haven't completed Maths C/Specialist Mathematics MUST select MXB100)			
MXB261	Modelling and Simulation Science		
MXB262	Visualising Data		
SEB104	Grand Challenges in Science		
Year 2, Semester 1			
MXB201	Advanced Linear Algebra		
MXB225	Modelling with Differential Equations 1		
or			
MXB242	Regression and Design		
MXB232	Introduction to Operations Research		
IFB104	Building IT Systems		
Year 2, S	emester 2		
MXB202	Advanced Calculus		
MXB226	Computational Methods 1		
MXB334	Operations Research for		

CAB201 F Year 2, Sui Feaching (S EUN101 F EUN102 C EUN103 T	Programming Principles mmer (EU50 Master of Secondary)) Supporting Innovative Pedagogy with Digital Fechnologies Child and Adolescent Development Feaching EAL/D Learners Culture Studies: Indigenous	EUN240 Designate Capstone	semester of study. Teachers Researching Practice ed Unit: EUN240. EUN240 is a unit with Conference and mus
Year 2, Sur Feaching (S EUN101 F EUN102 C EUN102 T EUN103 T	mmer (EU50 Master of Secondary)) Supporting Innovative Pedagogy with Digital Fechnologies Child and Adolescent Development Feaching EAL/D Learners	EUN240 Designate Capstone	Practice ed Unit: EUN240. EUN240 is a unit with Conference and mus
EUN101 F T EUN102 EUN103 T	Supporting Innovative Pedagogy with Digital Fechnologies Child and Adolescent Development Feaching EAL/D Learners	Designate Capstone	ed Unit: EUN240. EUN240 is a unit with Conference and mus
EUN102 C EUN103 T	Child and Adolescent Development Feaching EAL/D Learners	be taken	in your final semester of study.
EUN103 T	Feaching EAL/D Learners	assumed	knowledge. It requires a blue
	Culture Studies: Indigenous		Advanced Statistical Data
=UN104 E	Education	MXN600	Analysis
Year 3, Sei	mester 1		
EUN105 T	Feaching in New Times		
EUN120 F	Curriculum and Pedagogy 1: Foundations		
MXB322 F DR	Partial Differential Equations		
MXB332	Optimisation Modelling		
MXB326 (OR	Computational Methods 2		
MXB341	Statistical Inference		
Yea <u>r 3, Se</u> i	mester 2		
EUN109	nclusive Teaching for Diverse ₋earners		
	Feachers as Leaders and Entrepreneurial Thinkers		
EUN121 (F	Curriculum and Pedagogy 2: Planning		
	Curriculum and Pedagogy 3: Assessment		
EUN130 F F	Professional Experience: ntroduction to Professional Practice		
Designated days profes requires a l	I Unit: EUN130. Contains 15 ssional experience and blue card		
Year 4, Sei	mester 1		
EUN211 L	Jnderstanding Adolescent ₋earners		
EUN221	Curriculum and Pedagogy 4: Senior A		
	Curriculum and Pedagogy 5: Senior B		
EUN231 F 2 F	Professional Experience: Fransition to Professional Practice		
Designatec days profes requires a l	I Unit: EUN231. Contains 20 ssional experience and blue card		
Year 4, Sei	mester 2		
EUN223	Curriculum and Pedagogy 6: Learning Project		
EUN232 F	Professional Experience: Fransition to Professional Practice		
Designated days profes	Unit: EUN232. Contains 25 Sional experience and		
nformation, visit eCode=MV01&id	=38170. CRICOS No.00213J	the u r the re	niversity eal world



Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askgut@gut.edu.au

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria. Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

IELTS (International English Language Testing System)		
Overall	7.5	
Listening	8.0	
Reading	7.0	
Writing	7.0	
Speaking	8.0	



Bachelor of Science (Biological Sciences)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Biological Sciences) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Biological Sciences) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1 Semester 2
- Year 1 Summer
- Year 2, Semester 1
- Year 2, Semester 2
 Year 2, Summer 2 (EU50 Master of
- Teaching (Secondary))
- Year 3, Semester 1
- Year 3, Semester 2
 Year 4 Semester 1
- Year 4 Semester 1
- Teal 4 Semester 2

Code Title Year 1, Semester 1 Quantitative Methods in **SEB113** Science SEB115 Experimental Science 1 SEB116 Experimental Science 2 CZB190 Chemistry for Health Sciences Year 1 Semester 2 Introductory Calculus and **MXB100** Algebra BVB101 Foundations of Biology **BVB102** Evolution Science Option Unit Year 1 Summer SEB104 Grand Challenges in Science Year 2, Semester 1 Experimental Design and **BVB202 Quantitative Methods** BVB203 Plant Biology BVB301 Animal Biology Science Option Unit Year 2, Semester 2 **BVB201** Biological Processes BVB204 Ecology Population Genetics and **BVB313** Molecular Ecology Science Option Unit Year 2, Summer 2 (EU50 Master of Teaching (Secondary)) Supporting Innovative EUN101 Pedagogy with Digital Technologies EUN102 Child and Adolescent

	· ·		
EUN103	Teaching EAL/D Learners		
EUN104	Culture Studies: Indigenous Education		
Year 3, S	Year 3, Semester 1		
EUN105	Teaching in New Times		
EUN120	Curriculum and Pedagogy 1: Foundations		
BVB305	Microbiology and the Environment		
Biology a Research	nd Environmental Science		
Year 3, S	emester 2		
EUN109	Inclusive Teaching for Diverse Learners		
EUN110	Teachers as Leaders and Entrepreneurial Thinkers		
EUN121	Curriculum and Pedagogy 2: Planning		
EUN122	Curriculum and Pedagogy 3: Assessment		
EUN130	Professional Experience: Introduction to Professional Practice		
Designate days prof requires a	ed Unit: EUN130. Contains 15 essional experience and a blue card		
Year 4 Se	emester 1		
EUN211	Understanding Adolescent Learners		
EUN221	Curriculum and Pedagogy 4: Senior A		
EUN222	Curriculum and Pedagogy 5: Senior B		
EUN231 -2	Professional Experience: Transition to Professional Practice		
EUN231 -2 Designate days prof	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and		
EUN231 -2 Designate days prof requires a	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card		
EUN231 -2 Designate days prof requires a Year 4 Se EUN223	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project		
EUN231 -2 Designate days prof requires a Year 4 Se EUN223 EUN223	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice		
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EUN231 -2 Designate days prof requires a Year 4 Se EUN223 EUN223 EUN232 Designate days prof requires a your final EUN240	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching		
EUN231 -2 Designate days prof requires a Year 4 Se EUN223 EUN223 Designate days prof requires a your final EUN240	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card constant of the state of the state of the state constant of the state of t		
EUN231 -2 Designate days prof requires a Year 4 Se EUN223 EUN223 Designate days prof requires a your final EUN240 Designate Capstone be taken Completid assumed card.	Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice ed Unit: EUN240. EUN240 is a e unit with Conference and must in your final semester of study. on of all units in your course is knowledge. It requires a blue		

OR

MXN600 Advanced Statistical Data Analysis

the university

for the real world

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askgut@gut.edu.au

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

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International Subject prerequisites

• Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

IELTS (International English Language Testing System)		
Overall	7.5	
Listening	8.0	
Reading	7.0	
Writing	7.0	
Speaking	8.0	



Bachelor of Science (Chemistry)/Master of Teaching (Secondary)

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Chemistry) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Chemistry) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1 Semester 2
- Year 1 Summer Semester
- Year 2, Semester 1 ٠
- Year 2, Semester 2
- Year 2, Summer (EU50 Master of ٠ Teaching (Secondary))
- Year 3, Semester 1 ٠
- Year 3, Semester 2 Year 4, Semester 1 •
- •
- Year 4, Semester 2 •

	Code	Title	
	Year 1, Semester 1		
	CVB101	General Chemistry	
	CVB102	Chemical Structure and Reactivity	
	SEB115	Experimental Science 1	
	SEB116	Experimental Science 2	
	Year 1 Se	emester 2	
	SEB113	Quantitative Methods in Science	
	MXB100	Introductory Calculus and Algebra	
	CVB203	Physical Chemistry	
	Science (Option Unit	
	Year 1 Su	ummer Semester	
	SEB104	Grand Challenges in Science	
	Year 2, S	emester 1	
	CVB201	Inorganic Chemistry	
	CVB202 Analytical Chemistry		
	Maths Option Unit		
	Science Option Unit		
Year 2, Semester 2			
	CVB204	Organic Structure and Mechanisms	
	CVB302	Applied Physical Chemistry	
	CVB303	Coordination Chemistry	
Science Option Unit			
Year 2, Summer (EU50 Master of			
	Teaching	(Secondary))	
	EUN101	Supporting Innovative Pedagogy with Digital Technologies	
	EUN102	Child and Adolescent	

EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, S	emester 1
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
CVB301	Organic Chemistry: Strategies for Synthesis
CVB304	Chemistry Research Project
Year 3, S	emester 2
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designate days prof requires a	ed Unit: EUN130. Contains 15 essional experience and a blue card
Year 4, S	emester 1
EUN211	Understanding Adolescent Learners
EUN221	Curriculum and Pedagogy 4: Senior A
EUN221 EUN222	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B
EUN221 EUN222 EUN231 -2	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice
EUN221 EUN222 EUN231 -2 Designate days prof requires a	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card
EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2
EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project
EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice
EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN232 Designate days prof requires a your final	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study.
EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223 Designate days prof requires a your final EUN240	Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice

Development

MXN501 Stochastic Modelling OR

Advanced Statistical Data MXN600 Analysis



Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askgut@gut.edu.au

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Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

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- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

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International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0



Bachelor of Science (Earth Science)/Master of Teaching (Secondary)

Technologiag

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Earth Science) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Earth Science) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1 Semester 2
- Year 1 Summer Semester
- Year 2, Semester 1 ٠ Year 2, Semester 2
- Year 2, Summer 2 (EU50 Master of ٠ Teaching (Secondary))
- Year 3, Semester 1 ٠
- •
- Year 3, Semester 2 Year 4, Semester 1 •
- Year 4, Semester 2

Code	Title	
Year 1, S	emester 1	
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
ERB201	Destructive Earth: Natural Hazards	
Year 1 Se	emester 2	
MXB100	Introductory Calculus and Algebra	
ERB101	Earth Systems	
ERB102	Evolving Earth	
Science (Option Unit	
Year 1 St	ummer Semester	
SEB104	Grand Challenges in Science	
Year 2, S	emester 1	
ERB202	Marine Geoscience	
ERB301	Chemical Earth	
ERB205	Earth Materials	
Maths Option Unit		
Year 2, S	emester 2	
ERB203	Sedimentary Geology and Stratigraphy	
ERB204	Deforming Earth: Fundamentals of Structural Geology	
ERB206	Petrology	
Science (Option Unit	
Year 2, S Teaching	ummer 2 (EU50 Master of (Secondary))	
FUN101	Supporting Innovative	

	1 connoiogioo
EUN102	Child and Adolescent
EUN103	Teaching EAL/D Learners
LONIOS	Culture Studies: Indigenous
EUN104	Education
Year 3, S	emester 1
EUN105	Teaching in New Times
FUNKOO	Curriculum and Pedagogy 1:
EUNIZU	Foundations
ERB302	Applied Geophysics
ERB305	Geological Field Methods
Year 3, S	emester 2
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designate days prof requires a	ed Unit: EUN130. Contains 15 essional experience and a blue card
Year 4, S	emester 1
	Understanding Adolescent
EUNZTI	Learners
EUN211 EUN221	Learners Curriculum and Pedagogy 4: Senior A
EUN211 EUN221 EUN222	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B
EUN221 EUN222 EUN222 EUN231 -2	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice
EUN221 EUN222 EUN222 EUN231 -2 Designate	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20
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EUN221 EUN222 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project
EUN211 EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice
EUN211 EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and
EUN211 EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223 Designate days prof requires a	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in
EUN211 EUN221 EUN222 EUN231 -2 Designate days prof requires a EUN223 EUN223 Designate days prof requires a your final	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study.
EUN211 EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223 Designate days prof requires a your final EUN240	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice
EUN211 EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223 Designate days prof requires a your final EUN240 Designate	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice ed Unit: EUN240. EUN240 is a
EUN211 EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223 EUN223 EUN223 EUN2240 Designate days prof requires a your final EUN240 Designate Capstone be taken Completid assumed card	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice ed Unit: EUN240. EUN240 is a unit with Conference and must in your final semester of study. on of all units in your course is knowledge. It requires a blue

OR

Advanced Statistical Data **MXN600**



Analysis

the university for the real world

Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askgut@gut.edu.au

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Before you start this course we assume you have sound knowledge in these areas

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- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

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- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0



Bachelor of Science (Environmental Science)/Master of Teaching (Secondary)

<u>.</u>....

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Domestic Course structure This course is a vertical double degree, combining ST01 Bachelor of Science

(Environmental Science) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Environmental Science) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 1 Summer Semester
- Year 2, Semester 1 ٠ Year 2, Semester 2
- Year 2, Summer 2 (EU50 Master of ٠ Teaching (Secondary))
- Year 3, Semester 1 ٠
- •
- Year 3, Semester 2 Year 4, Semester 1 •
- Year 4, Semester 2

Code	Title	
Year 1, Semester 1		
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
CZB190	Chemistry for Health Sciences	
Year 1, S	emester 2	
MXB100	Introductory Calculus and Algebra	
ERB101	Earth Systems	
EVB102	Ecosystems and the Environment	
Science (Option Unit	
Year 1 Su	ummer Semester	
SEB104	Grand Challenges in Science	
Year 2, S	emester 1	
EVB312	Soils and the Environment	
BVB202	Experimental Design and Quantitative Methods	
EVB203	Geospatial Information Science	
Science (Option Unit	
Year 2, S	emester 2	
ERB310	Groundwater Systems	
BVB204	Ecology	
EVB302	Environmental Pollution	
Science (Option Unit	
Year 2, S Teaching	ummer 2 (EU50 Master of (Secondary))	
EUN101	Supporting Innovative Pedagogy with Digital Technologies	

EUN102	Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous Education
Year 3, S	emester 1
EUN105	Teaching in New Times
EUN120	Curriculum and Pedagogy 1: Foundations
BVB311	Conservation Biology
Biology a Research	nd Environmental Science
Year 3, S	emester 2
EUN109	Inclusive Teaching for Diverse Learners
EUN110	Teachers as Leaders and Entrepreneurial Thinkers
EUN121	Curriculum and Pedagogy 2: Planning
EUN122	Curriculum and Pedagogy 3: Assessment
EUN130	Professional Experience: Introduction to Professional Practice
Designate	ed Unit: EUN130. Contains 15
days prof requires a	essional experience and a blue card
Year 4, S	emester 1
EUN211	Understanding Adolescent
	Learners
EUN221	Learners Curriculum and Pedagogy 4: Senior A
EUN221 EUN222	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B
EUN221 EUN222 EUN222 EUN231 -2	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice
EUN221 EUN222 EUN231 -2 Designate days prof requires a	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card
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EUN221 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223 EUN232 Designate days prof requires a your final EUN240	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice
EUN221 EUN222 EUN222 EUN231 -2 Designate days prof requires a Year 4, S EUN223 EUN223 EUN223 Designate days prof requires a your final EUN240 Designate	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice ed Unit: EUN240. EUN240 is a
EUN221 EUN222 EUN222 EUN231 -2 Designate days prof requires a EUN223 EUN223 EUN223 Designate days prof requires a your final EUN240 Designate Capstone	Learners Curriculum and Pedagogy 4: Senior A Curriculum and Pedagogy 5: Senior B Professional Experience: Transition to Professional Practice ed Unit: EUN231. Contains 20 essional experience and a blue card emester 2 Curriculum and Pedagogy 6: Learning Project Professional Experience: Transition to Professional Practice ed Unit: EUN232. Contains 25 essional experience and a blue card. Must be taken in semester of study. Teachers Researching Practice ed Unit: EUN240. EUN240 is a unit with Conference and must
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OR

Advanced Statistical Data **MXN600**

Analysis

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Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
Total credit points	288
Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askgut@gut.edu.au

You must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

To demonstrate this you must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. Details are available from the <u>QTAC initial teacher</u> <u>education webpage</u>.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

Domestic Assumed knowledge

Before you start this course we assume you have sound knowledge in these areas

- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

International Entry requirements Applications in 2022

In response to COVID-19, QUT has reviewed the availability of courses to be delivered offshore for students studying in 2022.

You must be onshore in Australia to apply for this course and cannot commence online.

If the Australian Government makes any changes to the international border closure, QUT will communicate directly with students who have an offer and may be eligible to commence earlier than 2023.

Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria. Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

If you've achieved a '*satisfactory*' result for one or more components of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) at another institution, the '*satisfactory*' result can be carried across with your admission application. You are not eligible to apply for a place in this course if one or more components of LANTITE remains at '*unsatisfactory*' after two test attempts for that component.

International Subject prerequisites

 Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English

requirements

IELTS (International English Language Testing System)	
Overall	7.5
Listening	8.0
Reading	7.0
Writing	7.0
Speaking	8.0



Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Physics) with EU50 Master of Teaching (Secondary).

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science (Physics) with EU50 Master of Teaching (Secondary).

Sample Structure

Semesters

- Year 1, Semester 1
- Year 1 Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 2, Summer 2 (EU50 Master of • Teaching (Secondary))
- Year 3, Semester 1 .
- Year 3, Semester 2 ٠
- Year 4, Semester 1 Year 4, Semester 2 •
- ٠

Code	Title
Year 1, S	emester 1
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
SEB104	Grand Challenges in Science
Year 1 Se	emester 2
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Science (Option Unit
Year 2, S	emester 1
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Science (Option Unit
Science (Option Unit
Year 2, S	emester 2
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Science (Option Unit
Science (Option Unit
Year 2, S	ummer 2 (EU50 Master of
Teaching	(Secondary))
EUN101	Supporting Innovative Pedagogy with Digital Technologies
EUN102	Child and Adolescent Development
EUN103	Teaching EAL/D Learners
EUN104	Culture Studies: Indigenous

PVB304	Physics Research		
Year 3, S	emester 1		
EUN105	Teaching in New Times		
EUN120	Curriculum and Pedagogy 1: Foundations		
PVB301	Materials and Thermal Physics		
PVB302	Classical and Quantum Physics		
Year 3, Semester 2			
	Inclusive Teaching for Diverse		
EUN109	Learners		
EUN110	Entrepreneurial Thinkers		
EUN121	Curriculum and Pedagogy 2: Planning		
EUN122	Curriculum and Pedagogy 3: Assessment		
EUN130	Professional Experience: Introduction to Professional Practice		
Designated Unit: EUN130. Contains 15 days professional experience and requires a blue card			
Year 4 S	emester 1		
EUN211	Learners		
EUN221	Curriculum and Pedagogy 4: Senior A		
EUN222	Curriculum and Pedagogy 5: Senior B		
EUN231 -2	Professional Experience: Transition to Professional Practice		
Designated Unit: EUN231. Contains 20 days professional experience and requires a blue card			
Year 4, S	emester 2		
EUN223	Curriculum and Pedagogy 6: Learning Project		
EUN232	Professional Experience: Transition to Professional Practice		
Designate	ed Unit: EUN232. Contains 25		
days prof	essional experience and		
requires a blue card. Must be taken in your final semester of study.			
EUN240	Teachers Researching Practice		
Designate	Designated Unit: EUN240. EUN240 is a		
Capstone unit with Conference and must			
be taken in your final semester of study.			
Completion of all units in your course is assumed knowledge. It requires a blue			
card.			
PCN113	Radiation Physics		



Year	2021
QUT code	SV02
CRICOS	103173M
Duration (full-time)	4 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$7,800 per year full-time (105 credit points)
International fee (indicative)	2021: \$41,500 per year full-time (105 credit points)
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Credit points full-time sem.	48
Start months	February
Int. Start Months	February Commencing studies in 2022: this program is available for on-campus studies only.
Course Coordinator	

International Entry requirements Applications in 2022

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You must be onshore in Australia to apply for this course and cannot commence online.

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Additional entry requirements

Pass the Initial Teacher Education Course (ITE) Capabilities Criteria.

Applicants must demonstrate possession of key competencies outlined by the Australian Institute for Teaching and School Leadership (AITSL) as those attributes and motivations common to effective teachers.

You must complete an online questionnaire to demonstrate your motivation for and understanding of, the course and profession. In the questionnaire you will be asked to:

- Rank a series of potentially appropriate statement responses, in order of what you think is most to least important.
- Provide two x 500 word written statements addressing the categories and indicators as outlined on the <u>Teacher Entry Fact</u> <u>Sheet</u>.

QUT will send you details on how to complete the Initial Teacher Education Course (ITE) Capabilities Criteria questionnaire and submit your written statements after you have lodged an application.

Course requirements: Literacy and numeracy

You will need to successfully complete the National Literacy and Numeracy Test for Initial Teacher Education Students to graduate from the course. You are permitted three test attempts in total for each component as a student at QUT. If you fail three test attempts for each component, you will not be able to graduate. You are not eligible to apply for a place in the course if you have failed two test attempts for one or more components, at another institution. The test will assess your personal literacy and numeracy skills. QUT provides you with one reimbursement to cover the cost of the test. For more information view additional course requirements.

Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)			
Overall	7.5		
Listening	8.0		
Reading	7.5		
Writing	7.5		
Speaking	8.0		

Domestic Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science with EU50 Master of Teaching (Secondary). Course structure will be available soon.

International Course structure

This course is a vertical double degree, combining ST01 Bachelor of Science with EU50 Master of Teaching (Secondary). Course structure will be available soon.

